Click to verify



Please unblock challenges.cloudflare.com to proceed

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We make websites, apps, and networks faster and more secure. Our developer platform is the best place to build modern apps and deliver AI initiatives. Cloudflare, Inc. (NYSE: NET) is the leading connectivity cloud company. It empowers organizations to make their employees, applications and networks faster and more secure everywhere, while the make their employees.
reducing complexity and cost. Cloudflare's connectivity cloud delivers the most full-featured, unified platform of cloud-native products and developer tools, so any organization can gain the control they need to work, develop, and accelerate their business. Powered by one of the world's largest and most interconnected networks, Cloudflare blocks
 billions of threats online for its customers every day. It is trusted by millions of organizations - from the largest brands to entrepreneurs and small businesses to nonprofits, humanitarian groups, and governments across the globe. Primary 101 Townsend St San Francisco, California 94107, US Get directions Westminster Bridge Road 6th Floor,
 Riverside Building, County Hall London, England SE1 7PB, GB Get directions 120 Robinson Road Frasers Tower #35-01 Singapore, Singapore 069547, SG Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions Rosental 7 Munich, Bavaria 80331, DE Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jose, California 95113, US Get directions 10 Almaden Blvd Suite 200 San Jos
301 N Neil St Suite 440 Champaign, Illinois 61820, US Get directions 26-1 Sakuragaoka-cho Shibuya-ku, Level 15 Cerulean Tower Tokyo, 150-8512, JP Get directions 16 South Guangshun Street Donghuang Building 17th Floor Beijing, Chaoyang District Beijing 100015, CN Get directions Rue de la Loi 38 Brussels, Brussels, Brussels Region 1000, BE Get
directions Praça Marquês de Pombal 14 7th floor Lisbon, 1250-162, PT Get directions 6, Place de la Madeleine Mailing Address Only Paris, Île-de-France 75008, FR Get directions 20 Martin Place Level 10 Sydney, NSW 2000, AU Get directions 1401 K St NW Washington, District of Columbia 20005, US Get directions Using the internet should be a
 seamless experience, but sometimes users encounter various security measures that can momentarily pause their browsing activity. One such instance is the appearance of the Cloudflare challenge page. In this guide, we will explore how to unblock challenge scloudflare challenges cloudflare challenges.
is a leading content delivery network (CDN) provider known for enhancing website performance and offering robust security solutions. Their challenge page, often referred to as CAPTCHA or verification page, is a mechanism designed to mitigate security threats by verifying the legitimacy of the user. This page usually appears when Cloudflare
detects potential risks, such as suspicious activity or compromised IP addresses, prompting users to confirm they are human before proceeding. While these protective measures are necessary, they can sometimes block legitimate users, leading to frustration. Common reasons for triggering the Cloudflare challenge page include IP blacklisting due to
previous malicious activity, using VPNs or proxies that hide your identity, or excessive failed attempts at accessing secure web pages. Other factors like browser misconfigurations and insufficient security settings can also lead to encountering the challenge page. Understanding these causes is the first step to resolving and preventing such issues in
the future. To unblock challenges.cloudflare.com to proceed, start with basic troubleshooting. Refresh the page and clear your network settings, ensuring that VPNs or proxies are disabled, as these can trigger the security measures. Additionally, confirming that
cookies and JavaScript are enabled in your browser settings is crucial since Cloudflare's prompts rely on these features. If the problem persists, consider configuring your browser and security settings more comprehensively. Adjust your browser's security levels to allow Cloudflare's scripts and cookies to function correctly. Should these measures
fail, contacting the website owner for assistance is advisable, as they can provide insights or lift specific blocks on their end. For stubborn issues, reaching out to Cloudflare support might be necessary. Preventing future blocks involves maintaining a low-risk online profile. Adopting regular security practices, such as updating your software and using
 secure network connections, reduces the risk of being flagged by Cloudflare. Furthermore, leveraging Cloudflare's tools and services can enhance your security setup without frequent interruptions. Educating yourself on these good practices ensures a smoother and more secure browsing experience, allowing you to avoid the hassle of repeatedly
requesting to unblock challenges.cloudflare.com to proceed and enjoy an uninterrupted, secure online experience.
Understanding Cloudflare's Challenge Page What is Cloudflare and Its Challenge Page? Cloudflare is a comprehensive web infrastructure and website security company, offering everything from Content Delivery Network (CDN) services to Distributed Denial of Service (DDoS) protection, and even security solutions. Utilizing an anycast network,
Cloudflare ensures faster load times, reduces server load, and protects websites from various forms of online threats. One of the key security features provided by Cloudflare is its challenge page. This page, often seen as a CAPTCHA, is designed to filter out automated bots and malicious traffic from legitimate user requests. When you request access
to a website under Cloudflare's protection, you might see the challenge page if the system flags your request as potentially harmful. Here, you'll be asked to complete certain actions, such as solving a CAPTCHA or waiting for a timer to run out, to confirm you are not a bot. This serves both to protect the website and to ensure a smoother, safer
experience for genuine users. Why the Challenge Page Exists The challenge page exists primarily for security reasons. Cyber-attacks and malicious bot traffic are frequent, and Cloudflare users prove they are human, thus preventing bots
 from accessing the site. Captchas and similar challenges deter automated systems, thereby protecting the integrity and security of the site. However, legitimate users can sometimes get caught in this filter, which leads to the common request, please unblock challenges.cloudflare.com to proceed. Understanding why this happens can help
troubleshoot and resolve the issue efficiently. Common Reasons for Being Blocked It's essential to grasp the typical scenarios that lead to being blocked by Cloudflare. Situations where users encounter the challenge page can vary widely, and knowing these can help you avoid and address them: IP Blacklisting: If your IP address has been identified as
a source of malicious activity or is part of a blacklisted range, you'll likely face the challenge page. This is common with shared IP addresses or if the IP was used maliciously in the past. Suspicious Activity: Abnormal activity patterns, such as making several rapid requests, can trigger the challenge page. Cloudflare interprets this as potential bot
activity. Security Checks: Websites under Cloudflare protection might have stringent security policies requiring comprehensive checks. This can include verifying browser attributes, checking headers, and even analyzing cookies. Examples of Common Scenarios Here are a few illustrative examples that might prompt the please unblock
challenges.cloudflare.com to proceed message: High Traffic from a Single IP: If you're using a proxy or a VPN service that shares IPs with many users, a high volume of requests from that same IP can be deemed suspicious. Malware or Virus-Infected Devices: If malware on your device is making automated requests to websites, it could easily lead to
a block by Cloudflare's security algorithms. Geolocation-based Blocking: Some regions have higher incidences of cyber-attacks, leading websites to implement stricter security protocols for requests originating from those areas. Recognizing these reasons helps in strategic planning for unblocking. Corrective actions can include changing IP addresses,
clearing browser caches, or even contacting the website administrator for assistance. Regular checks and balances in your browsing behavior can go a long way in lifting these blocks. For further reading and updates on Cloudflare's security measures, you can visit Cloudflare's Official Learning Page. By addressing and mitigating these triggering
factors, you can significantly reduce the challenge page and can ensure smoother navigation across the web, free from unexpected interruptions. Steps to Unblock Challenge page, it's important to start with some basic
troubleshooting steps. These initial actions can often resolve minor issues and allow you to proceed quickly without much technical intervention. Refreshing the Page and Clearing Browser Cache: Sometimes, a simple refresh can solve the problem. Press F5 or the refresh icon in your browser. If this doesn't work, clear your browser's cache by
 following these instructions on clearing cache for different browsers. Checking Network Settings and Disabling VPNs/Proxies: VPNs and proxies can sometimes cause blocks due to suspicious network activity. Disable any active VPN or proxy and try accessing the site again. Refer to this guide on how to disable VPN. Configuring Browser and Security
 Settings If basic troubleshooting does not resolve the issue, adjusting your browser and security settings might help unblocking the challenge page. Here are some detailed steps: Ensuring Cookies and JavaScript to verify your request. Ensure these settings are enabled by:
 For Google Chrome: Go to Settings > Privacy and Security > Site settings, and under Cookies and site data, ensure cookies are enabled. Verify that JavaScript and setting it to Allowed. For Firefox: Open Options > Privacy & Security and under Cookies and Site Data, allow cookies. Ensure
 JavaScript is enabled through about:config settings. You can follow this comprehensive guide on enabling JavaScript for different browsers. Adjusting the security settings to Allow Cloudflare Access: Your browser's security settings for the
 Cloudflare challenge page. Make sure your firewall or antivirus software is not blocking the Cloudflare service. Contacting Website Owner or Cloudflare Support If the issue persists despite following the above steps, direct contact with support teams might be necessary. Here's how you can do it: Reaching Out to the Website Administrator: Often, the
 website owner or admin can provide specific guidance or whitelisting if Cloudflare's challenge page blocks your access. You can usually find contact details in the exact message you see when blocked (e.g., "Please unblock challenges.cloudflare.com to proceed").
 Contacting Cloudflare Support for Persistent Issues: If all else fails, contacting Cloudflare directly may be necessary. Visit the Cloudflare Support Center, where you can find useful articles, FAQs, and contact options. Provide detailed information about the issue, including any steps you have already taken and the error message seen. By following
these comprehensive steps, you should be able to effectively bypass the Cloudflare or the website administrator will most likely provide a resolution. Remember, ongoing involvement in
 maintaining your system's and network's security will also mitigate issues that lead to such blocks, providing a smoother online experience in future interactions. For more detailed information on Cloudflare's services and troubleshooting, visit the Cloudflare Learning Center. Preventive Measures to Avoid Future Blocks Maintaining a Low-Risk Online
Profile To ensure smooth browsing and to avoid encountering Cloudflare's challenge page frequently, it's essential to maintain a low-risk online profile. This involves adopting regular security practices and creating a stable online profile.
numbers, and symbols. Avoid using the same password across multiple sites. Enable Two-Factor Authentication (2FA): Adding an extra layer of security can prevent unauthorized access to your accounts and data. Keep Software Updated: Regularly update your operating system, browser, and plugins to guard against vulnerabilities that hackers can
exploit. Install a Reliable Antivirus: Good antivirus software can detect and block potential threats before they compromise your system. Avoid Suspicious Websites: Refrain from visiting untrusted or malicious websites that can trigger Cloudflare's security mechanisms. Monitor IP Reputation: Use tools to check if your IP address is listed on any
blacklists. If so, take steps to delist it. Adopting these measures ensures that your online activity remains secure and reduces the likelihood of encountering issues that lead to the challenges page. However, sometimes even with good practices, you might need to ask the administrator to please unblock challenges cloudflare.com to proceed. Using
Cloudflare's Tools and Services Effectively Cloudflare offers a robust suite of tools and services designed to enhance web security. Leveraging these effectively can help you stay protected while avoiding unnecessary hassle with challenge pages. Let's explore some of the key services and tools: Tool/Service Description How it Helps Web Application
Firewall (WAF) Protects your website by filtering and monitoring HTTP traffic between a web application and the Internet. Prevents malicious attacks, thus reducing the risk of getting blocked by security challenges. Rate Limiting Limits the number of requests a user can make to your site in a specific time frame. Protects against DDoS attacks and
abusive behavior, preventing security triggers. DNSSEC Adds an additional layer of authentication to Domain Name System (DNS) requests. Secures your browsing by ensuring you're communing with the legitimate website, thereby avoiding challenges. Content Delivery Network (CDN) Distributes your website's content across multiple servers
 worldwide. Increases site speed and reliability, reducing false positives for security challenges. For more details on utilizing these tools, visit the official Cloudflare Learning Center. Educating Users About Good Practices for Long-Term Unblocking It's crucial not only to implement these tools but also to educate users about
best practices. Here's how you can help users understand and avoid blocks: Regular Security Training: Conduct sessions to keep users updated on the latest security trends and phishing tactics. Create User Guides: Develop easy-to-follow guides that explain steps like clearing browser cache, enabling JavaScript, or contacting support if needed.
Encourage Safe Browsing: Highlight the importance of visiting only reputable websites and being cautious with downloads. Continuous education and updates will help users maintain a secure browsing environment, ensuring they don't have to plead, please unblock challenges.cloudflare.com to proceed. By following the practices mentioned and
making the most of Cloudflare's extensive toolset, you can minimize the interference of challenge pages and maintain a smooth, secure online experience, ensuring seamless access to websites protected by Cloudflare. In conclusion, understanding and addressing
the prompts you encounter on Cloudflare's challenge page is crucial for seamless browsing experiences. Cloudflare is a vital service providing security, performance, and reliability enhancements for numerous websites. The challenge page emerges primarily as a defense mechanism against suspicious activities, safeguarding websites from malicious
 threats such as DDoS attacks, IP blacklisting, and other security vulnerabilities. Recognizing why and when these blocks happen enables users to diagnose and remedy the situation more effectively. To unblock challenges.cloudflare.com to proceed, start with basic troubleshooting methods such as refreshing your page, clearing your browser cache
and ensuring your network settings are optimal. Disabling any active VPNs or proxies can also resolve access issues. Configuring your browser to allow cookies and JavaScript is another critical step since Cloudflare challenges rely heavily on these settings are accommodating Cloudflare challenges rely heavily on these settings are accommodating Cloudflare challenges rely heavily on these settings are accommodating Cloudflare challenges rely heavily on these settings are optimal.
operations will mitigate most common issues efficiently. If basic troubleshooting doesn't resolve the problem, contact the website owner or Cloudflare support for further assistance. Website administrators can provide insights specific to their
services. Preventive measures are equally important to avoid frequent blocks. Maintaining a low-risk online presence involves regular security practices like updating software, using recognized and secure networks, and avoiding suspicious sites. Utilizing Cloudflare's advanced tools can also provide an additional layer of security without disrupting software, using recognized and secure networks, and avoiding suspicious sites.
your browsing experience. Educated users who follow good security practices will likely face fewer interruptions, resulting in smoother and more secure internet usage. Incorporating the request to please unblock challenges.cloudflare.com to proceed within your communications and troubleshooting efforts reiterates the specific nature of your issue
 and can expedite resolution. By following these steps and adopting preventive measures, you ensure a more reliable and secure browsing environment while maximizing the benefits Cloudflare offers. Stock index Russell 1000 IndexFoundationJanuary 1, 1984; 41 years ago (1984-01-01)OperatorFTSE RussellExchangesNYSENasdaqCboe BZX
represent about 93% of the total market capitalization of $1.013 trillion and a median market capitalization of $1.013 trillion. As of 8 May 2020[update], components ranged in market capitalization from $1.8 billion to $1.4
trillion.[1] The index, which was launched on January 1, 1984, is maintained by FTSE Russell, a subsidiary of the United Kingdom-based London Stock Exchange Group. The ticker symbol is typically RUI, .RUI or ^RUI. There are several exchange-traded funds and mutual funds that track the index. Category All-time highs[2] Closing 3,370.65
6.27\% 2006 13.34\% 15.46\% 2007 3.86\% 5.77\% 2008 -37.60\% 2010 13.87\% 16.10\% 2011 -0.51\% 15.0\% 2011 10.7\% 12.05\% 2011 10.7\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10.10\% 10
26.45% 2022 -20.41% -19.13% 2023 24.51% 26.53% 2024 22.84% 24.51% Technology Consumer Discretionary Industrials Financials Health Care Apple - Nasdaq: MSFT Amazon - Nasdaq: MSF
Nasdaq: AVGO Alphabet (Class C) - Nasdaq: GOOG Berkshire Hathaway - NYSE: BRK.B (as of December 31, 2024)[3] Components as of May 1, 2025, are:[4] Company Symbol GICS Sector GICS Sub-Industrials Building
 Products AAON AAON Industrials Building Products Abbott Laboratories ABT Health Care Health Care Health Care Facilities Accenture ACN Information Technology IT Consulting & Other Services Acuity Brands AYI Industrials Electrical Components &
 Equipment Adobe Inc. ADBE Information Technology Application Software ADT Inc. ADT Consumer Discretionary Advanced Micro Devices AMD Information Technology Semiconductors AECOM ACM Industrials Construction &
 Engineering AES Corporation AES Utilities Independent Power Producers & Energy Traders Affiliated Managers Group AMG Financials Asset Management & Custody Banks Affirm Holdings AFRM Information Technology Aflac AFL Financials Asset Management & Custody Banks Affirm Holdings AFRM Information Technologies A
 Health Care Health Care Equipment Agree Realty ADC Real Estate AGNC Investment AGNC Financials Air Lease Corporation AL Industrials Air Products APD Materials Industrials Industrials Air Products APD Materials Industrials 
Air Group ALK Industrials Passenger Airlines Albemarle Corporation ALB Materials Specialty Chemicals Albertsons ACI Consumer Staples Food Retail Alcoa AA Materials Passenger Airlines Albertsons ACI Consumer Staples Food Retail Alcoa AA Materials Aluminum Alexandria Real Estate Equities ARE Real Estate Office REITs Align Technology ALGN Health Care Health Care Supplies Allegion ALLE Industrials Building Products
Allegro MicroSystems ALGM Information Technology Alliant Energy LNT Utilities Electric Utilities Allson Transmission ALSN Industrials Allstate ALL Financials Alnylam Pharmaceuticals Alnylam Pharmace
 Alphabet (Class C) GOOG Communication Services Interactive Media & Services Altria MO Consumer Staples Tobacco Amazon AMZN Consumer Discretionary Broadline Retail Amcor AMCR Materials Amdocs DOX Information Technology Amedisys AMED Health Care Health Care Services Amentum
AMTM Industrials Diversified Support Services Amer Sports AS Consumer Discretionary Leisure Products American Electric Power AEP Utilities American Electric Utilities American Express AXP Financials Consumer Finance American Financial Group AFG
 Financials Multi-line Insurance American Homes 4 Rent AMH Real Estate American International Group AIG Financials Property & Casualty Insurance American COLD Real Estate American Homes 4 Rent AMP Financials Asset Management & Casualty Insurance American Tower AMT Real Estate American Homes 4 Rent AMP Financials Asset Management & Casualty Insurance American Tower AMT Real Estate American Homes 4 Rent AMP Financials Asset Management & Casualty Insurance American Homes 4 Rent AMP Financials Asset Management & Casualty Insurance American Homes 4 Rent AMP Financials Asset Management & Casualty Insurance American Homes 4 Rent AMP Financials Asset Management & Casualty Insurance American Homes 4 Rent AMP Financials Asset Management & Casualty Insurance American Homes 4 Rent AMP Financials Asset Management & Casualty Insurance American Homes 4 Rent AMP Financials Asset Management & Casualty Insurance American Homes 4 Rent AMP Financials Asset Management & Casualty Insurance American Homes 4 Rent AMP Financials Asset Management & Casualty Insurance American Homes 4 Rent AMP Financials Asset Management & Casualty Insurance American Homes 4 Rent AMP Financials Asset Management & Casualty Insurance American Homes 4 Rent AMP Financials Asset Management & Casualty Insurance American Homes 4 Rent AMP Financials Asset Management & Casualty Insurance American Homes 4 Rent AMP Financials Asset Management & Casualty Insurance American Homes 4 Rent AMP Financials Asset Management & Casualty Insurance American Homes 4 Rent AMP Financials Asset Management & Casualty Insurance American Homes 4 Rent AMP Financials Asset Management & Casualty Insurance American Homes 4 Rent AMP Financials Asset Management & Casualty Insurance American Homes 4 Rent AMP Financials Asset Management & Casualty Insurance American Homes 4 Rent American Homes 4 Re
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 Services Advertising Annaly Capital Management NLY Financials Ansys ANSS Information Technology Application Software Antero Midstream AM Energy Oil & Gas Exploration & Production API Group APG Industrials Construction & Engineering
 Apellis Pharmaceuticals APLS Health Care Biotechnology Apollo Global Management APO Financials Asset Management & Custody Banks AppFolio APPF Information Technology Technology Technology Apollo Global Management APO Financials AMAT Information Technology Apollo Global Management APO Financials AMAT Information Technology Apollo Global Management APO Financials Asset Management & Custody Banks AppFolio APPF Information Technology Technology Apollo Global Management APO Financials AMAT Information Technology Apollo Global Management APO Financials ASSET MANAGEMENT ASSET
 Semiconductor Materials & Equipment AppLovin APP Information Technology Application Software AptarGroup ATR Materials Metal, Glass & Plastic Containers Aptiv APTV Consumer Discretionary Automotive Parts & Equipment Aramark ARMK Consumer Discretionary Arch Capital Group ACGL Financials Reinsurance Archer Daniels Midland ADM
Consumer Staples Agricultural Products & Services Ares Management ARES Financials Arrow Electronics ARW Information Technology Distributors Arthur J. Gallagher & Co. AJG Financials Insurance Brokers Ashlance
Global ASH Materials Diversified Chemicals Assurant AIZ Financials Multi-line Insurance Assured Guaranty AGO Financials Astera Labs ALAB Information Technology Semiconductors AT&T Communication Services Integrated Telecommunication Services ATI Inc. ATI Industrials Aerospace & Defense Atlassian TEAM Information Technology
Application Software Atmos Energy ATO Utilities Gas Utilities Gas Utilities Gas Utilities Gas Utilities AutoMation AN Consumer Discretionary Automatic Data Processing ADP Industrials Human Resource & Employment Services AutoMation AN Consumer Discretionary Automatic Data Processing ADP Industrials Human Resource & Employment Services AutoMation AN Consumer Discretionary Automatic Data Processing ADP Industrials Human Resource & Employment Services AutoMation AN Consumer Discretionary Automatic Data Processing ADP Industrials Human Resource & Employment Services AutoMation AN Consumer Discretionary Automatic Data Processing ADP Industrials Human Resource & Employment Services AutoMation AN Consumer Discretionary Automatic Data Processing ADP Industrials Human Resource & Employment Services AutoMation AN Consumer Discretionary Automatic Data Processing ADP Industrials Human Resource & Employment Services AutoMation AN Consumer Discretionary Automatic Data Processing ADP Industrials Human Resource & Employment Services AutoMation Data Processing ADP Industrials Human Resource & Employment Services Automatic Data Processing ADP Industrials Human Resource & Employment Services Automatic Data Processing ADP Industrials Human Resource & Employment Services Automatic Data Processing ADP Industrials Human Resource & Employment Services ADP Indu
Communities AVB Real Estate Residential REITs Avantor AVTR Health Care Avery Dennison AVY Materials Passenger Ground Transportation Avnet AVT Information Technology Distributors Axalta AXTA Materials AXIS Capital AXS Financials Axon
 Enterprise AXON Industrials Aerospace & Defense Azek AZEK Industrials Azenta AZTA Health Care Life Sciences Tools & Services Ball Corporation BALL Materials Metal, Glass & Plastic Containers Bank of America BAC Financials Diversified Banks Bank OZK OZK Financials Regional
 Banks Bath & Body Works, Inc. BBWI Consumer Discretionary Other Specialty Retail Baxter International BAX Health Care Equipment BellRing Brands BRBR Consumer Staples Packaged Foods & Meats Bentley Systems BSY Information Technology Berkshire Hathaway BRK.B
 Financials Multi-Sector Holdings Best Buy BBY Consumer Discretionary Computer & Electronics Retail Bill.com BILL Information Technology Bio-Rad Laboratories BIO Health Care Biotechnology Bio-Marin Pharmaceutical BMRN
Health Care Birkenstock BIRK Consumer Discretionary Footwear BJ's Wholesale Club BJ Consumer Staples Hypermarkets & Super Centers BlackRock BLK Financials Asset Management & Custody Banks H&R Block HRB Consumer Discretionary Specialized Consumer Services Block
 Inc. XYZ Financials Transaction & Payment Processing Services Blue Owl Capital OWL Financials BNY Mellon BK Financials Booking Holdings BKNG Consumer Discretionary Hotels, Resorts & Cruise Lines Booz Allen
Hamilton BAH Industrials BorgWarner BWA Consumer Discretionary Automotive Parts & Equipment Boyd Gaming BYD Consumer Discretionary SAM Consumer Discretionary Bright Horizons BFAM Consumer Discretionary Brighthouse Financial
BHF Financials Life & Health Insurance Bristol Myers Squibb BMY Health Care Distributors Broadcom AVGO Information Technology Semiconductors Broadcom AVGO Information Technol
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 Building Products Bunge Global BG Consumer Staples Agricultural Products & Services Burlington Stores BURL Consumer Discretionary BWX Technologies BWXT Industrials Diversified Support Services Cadence Design Systems
CDNS Information Technology Application Software Caesars Entertainment CZR Consumer Discretionary Casinos & Gaming Camden Property Trust CPT Real Estate Residential REITs Campbell Soup Company CPB Consumer Staples Packaged Foods & Meats Capital One COF Financials Consumer Finance Capit Holdings CPRI Consumer Discretionary Casinos & Gaming Camden Property Trust CPT Real Estate Residential REITs Campbell Soup Company CPB Consumer Discretionary Casinos & Gaming Camden Property Trust CPT Real Estate Residential REITs Campbell Soup Company CPB Consumer Discretionary Casinos & Gaming Camden Property Trust CPT Real Estate Residential REITs Campbell Soup Company CPB Consumer Discretionary CPB CO
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Consumer Discretionary Restaurants Cboe Global Markets CBOE Financials Financ
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Life Sciences Tools & Services Charles Schwab Corporation SCHW Financials Investment Banking & Brokerage Charles Chemours CC Materials Diversified Chemicals Chemicals
CVX Energy Integrated Oil & Gas Chipotle Mexican Grill CMG Consumer Discretionary Restaurants Choice Hotels, Resorts & Cruise Lines Chord Energy Oil & Gas Exploration & Production Chubb Limited CB Financials Property & Casualty Insurance Church & Dwight CHD Consumer Staples
Household Products Churchill Downs Incorporated CHDN Consumer Discretionary Casinos & Gaming Ciena CIEN Information Technology Communications Equipment Cigna CI Health Care Managed Health Care Cincinnati Financial CINF Financials Property & Casualty Insurance Cintas CTAS Industrials Diversified Support Services Cirrus Logic
CRUS Information Technology Semiconductors Cisco CSCO Information Technology Communications Equipment Citigroup C Financials Regional Banks Civitas Resources CIVI Energy Oil & Gas Exploration & Production Clarivate CLVT Industrials Clean Harbors CLH Industrials
 Environmental & Facilities Services Clearway Energy (Class A) CWEN.A Utilities Clearway Energy (Class C) CWEN Utilities Cleveland-Cliffs CLF Materials Steel Clorox CLX Consumer Staples Household Products Cloudflare NET Information Technology CME Group CME Financials Financial Exchanges & Data CMS Energy CMS Utilities Multi
 Utilities CNA Financial CNA Financials CNH Industrials Coca-Cola Company (The) KO Consumer Staples Soft Drinks & Non-alcoholic Beverages Cognex Corporation CGNX Information Technology Electronic Equipment & Instruments Cognizan
CTSH Information Technology IT Consulting & Other Services Coherent Corp. COHR Information Technology Electronic Components Columbia Banking System COLB Financials Regional Banks Columbia Sportswear COLM Consumer Discretionary Apparel
 Accessories & Luxury Goods Comcast CMCSA Communication Services Cable & Satellite Comerica CMA Financials Diversified Banks Confort Systems USA FIX Industrials Consumer Staples Packaged Foods & Meats Concentrix CNXC
 Information Technology Data Processing & Outsourced Services Confluent, Inc. CFLT Information Energy Oil & Gas Exploration & Production Consolidated Edison ED Utilities Multi-Utilities Coope
Companies (The) COO Health Care Health Care Supplies Copart CPRT Industrials Diversified Support Services Core & Main CNM Industrials Corning Inc. GLW Information Technology Electronic Components Corpay CPAY Financials Transaction & Payment Processing Services Corteva CTVA Materials Fertilizers & Agricultural Chemicals CoStar
Group CSGP Industrials Real Estate Services Costco COST Consumer Staples Merchandise Retail Coterra CTRA Energy Oil & Gas Exploration & Production Coty COTY Consumer Staples Personal Care Products Coupang CPNG Consumer Staples Merchandise Retail Coterra CTRA Energy Oil & Gas Exploration & Production Coty COTY Consumer Staples Personal Care Products Coupang CPNG COUPANG C
 Industrial Machinery & Supplies & Components Crane NXT CXT Industrials Industrials Crocs CROX Consumer Discretionary Footwear CrowdStrike CRWD Information Technology Application Software Crown Castle CCI Rea
Estate Telecom Tower REITs Crown Holdings CCK Materials CSX Corporation CSX Industrials Rail Transportation CUBE Real Estate Cummins CMI Industrials Aerospace & Defense CVS Health Care Health Care Services D. R. Horton DHI
Consumer Discretionary Homebuilding Danaher Corporation DHR Health Care Life Sciences Tools & Services Darden Restaurants DRI Consumer Discretionary Restaurants DRI Consumer 
Human Resource & Employment Services Deckers Brands DECK Consumer Discretionary Footwear Deere & Company DE Industrials Agricultural & Farm Machinery Delta Air Lines DAL Industrials Agricultural & Farm Machinery DAL Indu
 Health Care Supplies Devon Energy DVN Energy Oil & Gas Exploration & Production Dexcom DXCM Health Care Health Care Equipment Diamondback Energy FANG Energy Oil & Gas Exploration & Production Dick's Sporting Goods DKS Consumer Discretionary Other Specialty Retail Digital Realty DLR Real Estate Data Center REITs Dillard's DDS
Consumer Discretionary Broadline Retail Discover Financial DFS Financials Consumer Staples 
Merchandise Retail Dominion Energy D Utilities Domino's DPZ Consumer Discretionary Restaurants Donaldson Company DCI Industrials Industria
 Industrial Machinery & Supplies & Components Dow Inc. DOW Materials Commodity Chemicals Doximity DOCS Health Care DraftKings DKNG Consumer Discretionary DTE Utilities Multi-Utilities Duke Energy DTE Utilities Electric Utilities Dun & Bradstreet DNB
 Industrials Duolingo DUOL Consumer Discretionary Education Services DuPont DD Materials Specialty Chemicals Dutch Bros. Coffee BROS Consumer Discretionary Restaurants DXC Technology e.l.f. Beauty ELF Consumer Staples Personal Care
Products Eagle Materials EXP Materials EXP Materials Components & Equipment eBay EBAY Consumer Discretionary Broadline Retai
 Ecolab ECL Materials Specialty Chemicals Edison International EIX Utilities Electric Utilities Edwards Lifesciences EW Health Care Elastic NV ESTC Information Technology Electronic Arts EA Communication Services Interactive Home Entertainment Element Solutions ESI Materials Elevance
Components Entegris ENTG Information Technology Entergy ETR Utilities Electric Utilities Envista NVST Health Care Health Care Health Care Health Care Health Care Supplies EOG Resources EOG Energy Oil & Gas Exploration & Production EPAM Systems EPAM Information Technology IT Consulting & Other Services EPR Properties EPR Real Estate Other Specialized REITs EQI
 Corporation EQT Energy Oil & Gas Exploration & Production Equifax EFX Industrials Research & Consulting Services Equinix EQIX Real Estate Data Center REITs Equitable Holdings EQH Financials Equity Lifestyle Properties ELS Real Estate Data Center REITs Equitable Holdings EQH Financials Equity Lifestyle Properties ELS Real Estate Data Center REITs Equitable Holdings EQH Financials Equity Lifestyle Properties ELS Real Estate Data Center REITs Equitable Holdings EQH Financials Equity Lifestyle Properties ELS Real Estate Data Center REITs Equitable Holdings EQH Financials Equity Lifestyle Properties ELS Real Estate Data Center REITs Equitable Holdings EQH Financials Equity Lifestyle Properties ELS Real Estate Data Center REITs Equitable Holdings EQH Financials Equity Lifestyle Properties ELS Real Estate Data Center 
 Supplies & Components Essential Utilities WTRG Utilities WTRG Utilities Essex Property Trust ESS Real Estate Residential REITs Estée Lauder Companies (The) EL Consumer Discretionary Euronet Worldwide EEFT Financials Transaction & Payment Processing Services Evercore EVR Financials Transaction & Payment Processing Services EVR Financials Transaction & Payment Processing Financials Financials Transaction & Payment Processing Financials Financials Financials
Investment Banking & Brokerage Everest Group EG Financials Reinsurance Evergy EVRG Utilities Everus Construction & Engineering Exact Sciences EXAS Health Care Exelixis EXEL Health Care Biotechnology Exelon EXC Utilities Multi-Utilities Multi-Utilities
 Expand Energy EXE Energy Oil & Gas Exploration & Production Expedia Group EXPE Consumer Discretionary Hotels, Resorts & Cruise Lines Expeditors International EXPD Industrials Air Freight & Logistics Extra Space Storage EXR Real Estate Self-Storage REITs ExxonMobil XOM Energy Integrated Oil & Gas F5, Inc. FFIV Information Technology
Communications Equipment FactSet FDS Financials Financi
Machinery & Supplies & Components Fidelity National Financials Fin
 Financials First Hawaiian, Inc. FHB Financials Regional Banks First Horizon Corporation FHN Financials Regional Banks First Industrial Realty Trust FR Real Estate First Solar FSLR Information Technology Semiconductors Five Below FIVE
 Consumer Discretionary Other Specialty Retail Five9 FIVN Information Technology Floor & Decor FND Consumer Discretionary Home Improvement Retail Flowers Foods & Meats Flowserve FLS Industrials Industrials Industrial Machinery & Supplies & Components FMC Corporation FMC Materials Fertilizers &
 Agricultural Chemicals FNB Corporation FNB Financials Regional Banks Ford Motor Company F Consumer Discretionary Automobile Manufacturers Fortine FTNT Information Technology Systems Software Fortive FTV Industrials Industr
Staples Frontier Communications FYBR Communication Services Frost Bank CFR Financials Regional Banks FTI Consulting FCN Industrials Research & Con
Garmin GRMN Consumer Discretionary Consumer Electronics Gartner IT Information Technology IT Consulting & Other Services Gates Corporation GEN Industrials GE Aerospace & Defense GE Health Care Equipment GE Vernova GEV Industrials Industrials Industrials Machinery & Supplies &
Components Gen Digital GEN Information Technology Application Software General Mulls GIS Consumer Staples Packaged Foods & Meats General Motors GM Consumer Discretionary Automobile Manufacturers Genpact G
Information Technology IT Consulting & Other Services Gentex GNTX Consumer Discretionary Automotive Parts & Equipment Genuine Parts & Equipment Genu
 Payment Processing Services GlobalFoundries GFS Information Technology Globant GLOB Information Technology Globa Life & Health Insurance Globus Medical GMED Health Care Equipment GoDaddy GDDY Information Technology Globant GLOB Information Techno
 Industrials Industrial Machinery & Supplies & Components Grail, Inc. GRAL Health Care Health Care Health Care Services Grand Consumer Staples Food Retail Guidewire Software GWRE Information Technology GXO Logistics GXO
Industrials Air Freight & Logistics Halliburton HAL Energy Oil & Gas Equipment & Services Hanover Insurance Harley-Davidson HOG Consumer Discretionary Motorcycle Manufacturers Harley-Davidson HOG Consumer Discretionary Leisure Products Hanover Insurance Harley-Davidson HOG Consumer Discretionary Motorcycle Manufacturers Harley-Davidson HOG Cons
Hayward Holdings HAYW Industrials HCA Health Care Realty Trust HR Real Estate Health Care Realty Trust HR Real Estate Health Care Realty Financials Aerospace & Defense HEICO (Class A) HEI.A Industrials Aerospace & Defense Jack Henry & Associates JKHY Financials
Transaction & Payment Processing Services Hershey Company (The) HSY Consumer Staples Packaged Foods & Meats Hess Corporation HES Energy Integrated Oil & Gas Hewlett Packard Enterprise HPE Information Technology Technology Hardware, Storage & Peripherals Hexcel HXL Industrials Aerospace & Defense HF Sinclair DINO Energy Oil
& Gas Refining & Marketing Highwoods Properties HIW Real Estate Hilton Worldwide HLT Consumer Discretionary Home Improvement Retail Honeywell HON Industrials Industrials Industrial Conglomerates Hormel Foods HRL
Consumer Staples Packaged Foods & Resorts HST Real Estate Howard Hughes Holdings HHH Real Estate Howard Hughes 
HUBB Industrials Industrials Industrial Machinery & Supplies & Components HubS Information Technology Humana HUM Health Care Managed Health Care Huntington Ingalls Industrials Aerospace & Defense Huntsman Corporation HUN Materials Hyatt Hotels H Consumer
Discretionary IAC Inc. IAC Communication Services IBM IBM Information Technology IT Consulting & Other Services Idacorp IDA Utilities Electric Utilities IDEX Corporation IEX Industrials 
Machinery & Supplies & Components Illumina, Inc. ILMN Health Care Life Sciences Tools & Services Incyte INCY Health Care Biotechnology Information Technology Information Technology Information Technology Information Inc. ILMN Health Care Biotechnology Information INGR Information Technology Information Inc. ILMN Health Care Biotechnology Information Inc. ILMN Heal
Consumer Staples Agricultural Products & Services Inspire Medical Systems INSP Health Care Insulet PODD Health Care Interactive Brokers IBKR Financials Investment Banking & Brokerage Intercontinental Exchange ICE Financials Financials Financials Exchanges & Data International Flavors &
Fragrances IFF Materials Specialty Chemicals International Paper IP Materials Paper & Plastic Packaging Products & Materials Interpublic Group of Communication Services Advertising Intuit INTU Information Technology Application Software Intuitive Surgical ISRG Health Care Equipment Invesco IVZ Financials
Asset Management & Custody Banks Invitation Homes INVH Real Estate Ionis Pharmaceuticals IONS Health Care Life Sciences Tools & Services Iridium Communications IRDM Communication Services Iron Mountain IRM Real Estate Other
Specialized REITs ITT Inc. ITT Industrials Industrials
Hunt JBHT Industrials Cargo Ground Transportation Jefferies Financials Multi-Sector Holdings Johnson & Johnson JNJ Health Care Pharmaceuticals Johnson & Johnson JNJ Health Care Pharmaceuticals Johnson & Johnson JNJ Health Care Pharmaceuticals Johnson Controls JCI Industrials Building Products Johnson & Johnson JNJ Health Care Pharmaceuticals Johnson Controls JCI Industrials Building Products Johnson & Johnson JNJ Health Care Pharmaceuticals Johnson Controls JCI Industrials Building Products Johnson & Johnson Language Pharmaceuticals Johnson Controls JCI Industrials Building Products Johnson Controls JCI Industrials Building Products Johnson Controls JCI Industrials Building Products Johnson Wall Pharmaceuticals Johnson Controls JCI Industrials Building Products JCI Industrials Building Products
Information Technology Communications Equipment KBR, Inc. KBR Industrials Diversified Support Services Kellanova K Consumer Staples Personal Care Products Keurig Dr Pepper KDP Consumer Staples Soft Drinks & Non-
alcoholic Beverages Keycorp KEY Financials Regional Banks Keysight KEYS Information Technology Electronic Equipment & Instruments Kilroy Realty KIM Real Estate Retail REITs Kinder Morgan KMI Energy Oil & Gas Storage & Transportation Kinsale
Capital Group KNSL Financials Kirby Corporation KEX Industrials Marine KKR & Co. Inc. KKR Financials Asset Management & Custody Banks KLA Corporation KLAC Information Technology Semiconductor Materials & Equipment Knight-Swift KNX Industrials Cargo Ground Transportation Kohl's KSS Consumer Discretionary General Merchandise
Stores Kraft Heinz KHC Consumer Staples Packaged Foods & Meats Kroger KR Consumer Staples Food Retail Kyndryl KD Information Technology IT Consulting & Other Services Lam Research LRCX Information Technology Semiconductor Materials &
Equipment Lamar Advertising LAMR Real Estate Other Specialized REITs Lamb Weston LW Consumer Discretionary Casinos & Gaming Lattice Semiconductor LSCC Information Technology Semiconductors Lazard LAZ
Financials Lear Corporation LEA Consumer Discretionary Automotive Parts & Equipment Leggett & Platt LEG Consumer Discretionary Homebuilding Lennar (Class A) LEN Consumer Discretionary Homebuilding Lennar (Class A) LEN Consumer Discretionary Homebuilding Lennar (Class A) LEN Consumer Discretionary Homebuilding Lennary Homeb
International LII Industrials Building Products Liberty Broadband (Series A) LBRDA Communication Services Cable & Satellite Liberty Global (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 1 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 1 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 1 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 1 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 1 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 1 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 1 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 1 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 1 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 1 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 1 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 2 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 3 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 3 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 3 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 3 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 3 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 3 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 3 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 3 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 3 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 3 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 3 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 3 (Series C) LBRDK Communication Services Cable & Satellite Liberty Formula 3 (Series
A) FWONA Communication Services Liberty Formula 1 (Series C) FWONK Communication Services Liberty Live (Series C) LLYVK Communication Services Liberty Live (Series C) LLYVK Communication Services Liberty Live (Series C) ELYVK Communication Serv
Industrials Industrials Industrial Machinery & Supplies & Components Lincoln Financial LNC Financials Multi-line Insurance Linde plc LIN Materials Industrial Gases Lineage, Inc. LINE Real Estate Industrial REITs Lithia Motors LAD Consumer Discretionary Automotive Retail Littlefuse LFUS Information Technology Electronic Components Live Nation
Entertainment LYV Communication Services Movies & Entertainment LKQ Corporation LKQ Corporatio
LOW Consumer Discretionary Home Improvement Retail LPL Financials Lucid Motors LCID Consumer Discretionary Automobile Manufacturers Lululemon Athletica LULU Consumer Discretionary Apparel, Accessories & Luxury Goods Lumentum LITE Information Technology Lyft LYFT Industrials Passenger Ground Transportation
 LyondellBasell LYB Materials Specialty Chemicals M&T Bank MTB Financials Regional Banks MACOM Technology Solutions MTSI Information Technology Solution Tech
ManpowerGroup MAN Industrials Human Resource & Employment Services Maplebear Inc. CART Consumer Staples Food Retail MarketAxess MKTX Financials Financials Financials Financials Human Resource & Employment Services Maplebear Inc. CART Consumer Discretionary Hotels, Resorts &
Cruise Lines Marriott Vacations Worldwide VAC Consumer Discretionary Hotels, Resorts & Cruise Lines Martin Materials MLM Materials McLennan MMC Financials Insurance Brokers Martin Marietta Materials McLennan MMC Financials Insurance Brokers Martin Materials McLennan MMC Financials Massimo MASI
Health Care Health Care Equipment MasTec MTZ Industrials Construction & Engineering Mastercard MA Financials Transaction & Production Match Group MTCH Communication Services Interactive Media & Services Mattel MAT Consumer Discretionary
Leisure Products McCormick & Company MKC Consumer Staples Packaged Foods & Meats McDonald's MCD Consumer Discretionary Restaurants McKesson Corporation MCK Health Care Health Care REITs Medpace MEDP Health
Care Medtronic MDT Health Care Health Care Equipment Merck & Co. MRK Health Care Pharmaceuticals Meta Platforms META Communication Services Metlife MET Financials Life & Health Insurance Mettler Toledo MTD Health Care Equipment Merck & Co. MRK Health Care Pharmaceuticals Meta Platforms META Communication Services Metlife MET Financials Life & Health Insurance Mettler Toledo MTD Health Care Equipment Merck & Co. MRK Health Care Pharmaceuticals Meta Platforms META Communication MTG Financials
Reinsurance MGM Resorts International MGM Consumer Discretionary Casinos & Gaming Microchip Technology Semiconductors Microsoft MSFT Information Technology Systems Software Microsoft MSFT Information Technology Systems Software Microsoft MSFT Information Technology Systems Software Microsoft MSFT Information Technology MCHP Information Technology Systems Software Microsoft MSFT Information Technology Systems System
Software Mid-America Apartment Communities MAA Real Estate Residential REITs Middleby MIDD Industrials Industrials MKS Information Technology Semiconductor Materials & Equipment Moderna MRNA Health Care
Biotechnology Mohawk Industries MHK Consumer Discretionary Home Furnishings Molina Health Care MongoDB Inc. MDB Information Technology Systems Software Monolithic Power
Systems MPWR Information Technology Semiconductors Monster Beverage MNST Consumer Staples Soft Drinks & Non-alcoholic Beverages Moody's Corporation MCO Financials Investment Banking & Brokerage Morningstar, Inc. MORN Financials Mosaic Company (The) MOS Materials Financials Investment Banking & Brokerage Monthly Financials Financ
 Fertilizers & Agricultural Chemicals Motorola Solutions MSI Information Technology Communications Equipment MP Materials Diversified Metals & Mining MSA Safety MSC Industrials Diversified Metals & Mining MSA Industrials Diversified Metals & Mining MSA Information Technology Communications Equipment MP Materials Diversified Metals & Mining MSA Information Technology Communications Equipment MP Materials Diversified Metals & Mining MSA Information Technology Communications Equipment MP Materials Diversified Metals & Mining MSA Information Technology Communications Equipment MP Materials Diversified Metals & Mining MSA Information Technology Communications Equipment MP Materials Diversified Metals & Mining MSA Information Technology Communications Equipment MP Materials Diversified Metals & Mining MSA Information Technology Communications Equipment MP Materials Diversified Metals & Mining MSA Information Technology Communications Equipment MP Materials Diversified Metals & Mining MSA Information Technology Communications Equipment MP Materials Diversified Metals & Mining MSA Information Technology Communications Equipment MP Materials Diversified Metals & Mining MSA Information Technology Communications Equipment MP Materials Diversified Metals & Mining MSA Information Technology Communications Equipment MP Materials Diversified Metals & Mining MSA Information Technology Communications Equipment MP Materials Diversified Metals & Mining MSA Information Technology Communication Technology Communicatio
Data Murphy USA MUSA Consumer Discretionary Nasdag, Inc. NDAQ Financials Financial Exchanges & Data Natera NTRA Health Care National Storage & Peripherals
Netflix NFLX Communication Services Movies & Entertainment Neurocrine Biosciences NBIX Health Care Biotechnology New Fortress Energy NFE Energy NFE Energy NFE Energy New York Times Company NYT Communication Services Publishing Newell Brands NWL Consumer Discretionary Housewares & Specialties NewMarket NEU Materials Specialty Chemicals
Newmont NEM Materials Gold News Corp (Class A) NWSA Communication Services Publishing Nextera Energy NEE Utilities Multi-Utilities Nike, Inc. NKE Consumer Discretionary Apparel, Accessories & Luxury Goods NiSource NI
Utilities Multi-Utilities NNN Reit NNN Real Estate Retail REITs Nordson NDSN Industrials Industrials Machinery & Supplies & Components Nordstrom JWN Consumer Discretionary Department Stores Norfolk Southern NSC Industrials Rail Transportation Northern Trust NTRS Financials Asset Management & Custody Banks Northrop Grumman NOC
Industrials Aerospace & Defense Norwegian Cruise Line Holdings NCLH Consumer Discretionary Hotels, Resorts & Cruise Lines NOV Inc. NOV Energy Oil & Gas Equipment & Services NRG Energy NRG Utilities Independent Power Producers & Energy Traders Nubank NU Financials Nucor NUE Materials Steel Nutanix NTNX Information
Technology Nvent Electric NVT Industrials Nvidia NVDA Information Technology Semiconductors NVR, Inc. NVR Consumer Discretionary Homebuilding O'Reilly Auto Parts ORLY Consumer Discretionary Automotive Retail Occidental Petroleum OXY Energy Oil & Gas Exploration & Production OGE Energy OGE Utilities Okta, Inc. OKTA
Information Technology Application Software Old Dominion Freight Line ODFL Industrials Cargo Ground Transportation OLN Materials Diversified Chemicals Ollie's Bargain Outlet OLLI Consumer Discretionary General Merchandise Stores Omega Healthcare
Investors OHI Real Estate Omnicom Group OMC Communication Services Advertising ON Semiconductor ON Information Technology Semiconductor Onto Innovation Onto Innovation ONTO Information Technology Semiconductor Materials & Equipment Oracle Corporation
ORCL Information Technology Application Software Organon & Co. OGN Health Care Pharmaceuticals Oshkosh Corporation OSK Industrials Industrials Industrials Machinery & Supplies & Components Ovintiv OVV Energy Owens Corning OC Industrials Building
Products Paccar PCAR Industrials Construction Machinery & Heavy Transportation Technology Internet Services & Infrastructure Palo Alto Networks PANW Information Technology Systems Software
Paramount Global (Class A) PARAA Communication Services Movies & Entertainment Park Hotels & Resorts PK Real Estate Hotel & Resort REITs Parker Hannifin PH Industrials Indust
Aerospace & Defense Paychex PAYX Industrials Human Resource & Employment Services Paycom PAYC Information Technology Application Software PayPal PYPL Financials Transaction & Payment Processing Services Paycom PAYC Information Technology Application Software PayPal PYPL Financials Transaction & Payment Processing Services Paycom PAYC Information Technology Application Software PayPal PYPL Financials Transaction & Payment Processing Services Paycom PAYC Information Technology Application Software PayPal PYPL Financials Transaction & Payment Processing Services Paycom PAYC Information Technology Application Software PayPal PYPL Financials Transaction & Payment Processing Services Paycom PAYC Information Technology Application Software PayPal PYPL Financials Transaction & Payment Processing Services Paycom PAYC Information Technology Penn Entertainment
PENN Consumer Discretionary Casinos & Gaming Penske Automotive Group PAG Consumer Staples Soft Drinks & Non-alcoholic Beverages Performance Food Group PFGC Consumer Staples Soft Drinks & Non-alcoholic Beverages Performance Food Group PFGC Consumer Staples Soft Drinks & Non-alcoholic Beverages Performance Food Group PFGC Consumer Staples Soft Drinks & Non-alcoholic Beverages Performance Food Group PFGC Consumer Staples Soft Drinks & Non-alcoholic Beverages Performance Food Group PFGC Consumer Staples Soft Drinks & Non-alcoholic Beverages Performance Food Group PFGC Consumer Staples Soft Drinks & Non-alcoholic Beverages Performance Food Group PFGC Consumer Staples Soft Drinks & Non-alcoholic Beverages Performance Food Group PFGC Consumer Staples Soft Drinks & Non-alcoholic Beverages Performance Food Group PFGC Consumer Staples Soft Drinks & Non-alcoholic Beverages Performance Food Group PFGC Consumer Staples Soft Drinks & Non-alcoholic Beverages Performance Food Group PFGC Consumer Staples Soft Drinks & Non-alcoholic Beverages Performance Food Group PFGC Consumer Staples Soft Drinks & Non-alcoholic Beverages Performance Food Group PFGC Consumer Staples Soft Drinks & Non-alcoholic Beverages Performance Food Group PFGC Consumer Staples Soft Drinks & Non-alcoholic Beverages Performance Food Group PFGC Consumer Staples Soft Drinks & Non-alcoholic Beverages Performance Food Group PFGC Consumer Staples Soft Drinks & Non-alcoholic Beverages PFGC Consumer Staples Soft Drinks & Non-alcoholic Beverages PFGC Consumer Soft Drinks & Non-alcoholic Beverages PFGC Consu
Staples Food Distributors Permian Resources PR Energy Oil & Gas Exploration & Production PCG Utilities Philip Morris International PM Consumer Staples Tobacco Phillips 66 PSX Energy Oil & Gas Refining & Marketing Pilgrim's Pride PPC
Consumer Staples Packaged Foods & Meats Pinnacle Financial Services PNF Financial Services PNC Financial Services
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PII Consumer Discretionary Leisure Products Pool Corporation POL Consumer Discretionary Distributors Popular, Inc. BPOP Financials Post Holdings POST Consumer Staples Packaged Foods & Meats PPG Industries PPG Materials Specialty Chemicals POST Consumer Staples Products Pool Corporation PPL Utilities Premier, Inc. PINC Health Care T. Rowe Price
 TROW Financials Asset Management & Custody Banks Primerica PRI Financials Life & Health Insurance Principal Financials Life & Health Insurance Procore PCOR Information Technology Procter & Gamble PG Consumer Staples Personal Care Products Progressive Corporation PGR Financials Property & Casualty Insurance
 Prologis PLD Real Estate Industrial REITs Prosperity Bancshares PB Financials Regional Banks Prudential Financials Life & Health Insurance PTC Inc. PTC Information Technology Application Software Public Storage REITs Public Service Enterprise Group PEG Utilities Electric Utilities PulteGroup PHM
Consumer Discretionary Homebuilding Pure Storage PSTG Information Technology Semiconductors Qualcomm QCOM Information Technology Semiconductors Quanta Services PWR Industrials Construction
& Engineering QuantumScape QS Consumer Discretionary Quest Diagnostics DGX Health Care Health Care Health Care Services QuidelOrtho QDEL Health Care Services QUIDEL Health 
 Financial RJF Financials Investment Banking & Brokerage Rayonier RYN Real Estate Timber REITs Regeneron Pharmaceuticals REGN Industrials REGN Real Estate Retail REITs Regeneron Pharmaceuticals REGN
 Health Care Biotechnology Regions Financial Corporation RF Financials Regional Banks Reinsurance Repligen RGEN Health Care Biotechnology Republic Services RSG Industrials Environmental & Facilities Services Resmed
Discretionary RLI Corp. RLI Financials Robert Half RHI Industrials Human Resource & Employment Sciences ROIV Health Care Roku
 Inc. ROKU Communication Services Rollins, Inc. ROL Industrials Environmental & Facilities Services Roper Technologies ROP Industrials Industrials Industrials Industrials Environmental & Facilities Services Roper Technologies ROP Industrials Industrials Industrials Industrials Environmental & Facilities Services Roper Technologies ROP Industrials Indust
Metals & Minerals Royalty Pharma RPRX Health Care RPM International RPM Materials Specialty Chemicals RYAN Financials Ryder R Industrials Cargo Ground Transportation S&P Global SPGI Financials Financials Exchanges & Data Saia SAIA Industrials SAIC SAIC Industrials
Diversified Support Services Salesforce CRM Information Technology Application Software Sallie Mae SLM Financials Consumer Finance SanDisk SNDK Information Technology Application Software Sallie Mae SLM Financials Consumer Finance SanDisk SNDK Information Technology Application Software Sallie Mae SLM Financials Consumer Finance SanDisk SNDK Information Technology Application Software Sallie Mae SLM Financials Consumer Finance SanDisk SNDK Information Technology Application Software Sallie Mae SLM Financials Consumer Finance SanDisk SNDK Information Technology Application Software Sallie Mae SLM Financials Consumer Finance SanDisk SNDK Information Technology Application Software Sallie Mae SLM Financials Consumer Finance SanDisk SNDK Information Technology Application Software Sallie Mae SLM Financials Consumer Finance SanDisk SNDK Information Technology Application Software Sallie Mae SLM Financials Consumer Finance SanDisk SNDK Information Technology Application Software Sallie Mae SLM Financials Consumer Finance SanDisk SNDK Information Technology Application Software SnDK Information Technology Application Software SnDK Information Technology Application SnDK Information SnD
 Health Care Health Care Distributors Schlumberger SLB Energy Oil & Gas Equipment & Services Schneider National SNDR Industrials Seaboard Corporation SEB Consumer Staples Sealed Air SEE Materials Paper & Plastic Packaging Products & Materials Seaport
 Entertainment Group SEG Real Estate SEI Investments Company SEIC Financials Asset Management & Custody Banks Sempra SRE Utilities Multi-Utilities Sensata Technology Service Corporation International SCI Consumer Discretionary Specialized Consumer Services ServiceNow NOW
Information Technology Systems Software SharkNinja SN Consumer Discretionary Household Appliances Sherwin-Williams SHW Materials Specialty Chemicals Shift4 FOUR Information Technology Silgan Holdings SLGN Materials Specialty Chemicals Shift4 FOUR Information Technology Systems Software SharkNinja SN Consumer Discretionary Household Appliances Sherwin-Williams SHW Materials Specialty Chemicals Shift4 FOUR Information Technology Systems Software SharkNinja SN Consumer Discretionary Household Appliances Sherwin-Williams SHW Materials Specialty Chemicals Shift4 FOUR Information Technology Systems Software SharkNinja SN Consumer Discretionary Household Appliances Sherwin-Williams SHW Materials Specialty Chemicals Shift4 FOUR Information Technology Systems Software SharkNinja SN Consumer Discretionary Household Appliances Sherwin-Williams SHW Materials Specialty Chemicals Shift4 FOUR Information Technology Silgan Holdings SLGN Materials Shift4 FOUR Information Technology Slagan Holdings Slagan Holdings Slagan Holdings Slagan Holdings Slagan Holdi
Company SSD Industrials Building Products Sirius XM SIRI Communication Services Broadcasting SiteOne Landscape Supply SITE Industrials Skechers SKX Consumer Discretionary Footwear Skyworks Solutions SWKS Information Technology Semiconductors Smithfield Foods & Meats J.M. Smucker Company
(The) SJM Consumer Staples Packaged Foods & Meats Smurfit Westrock SW Materials Paper & Plastic Packaging Products & Materials Snap-on SNA Industrials Solventum SOLV Health Care Health Care Equipment Somnigroup
International SGI Consumer Discretionary Home Furnishings Sonoco SON Materials Paper & Plastic Packaging Products & Materials Southern Company SO Utilities Electric Utilities Southern Company SO Utilities Southern Co
 AeroSystems SPR Industrials Spotify SPOT Communication Services Movies & Entertainment SS&C Technologies SSNC Information Technology STAG Industrials Industrials Industrials Industrials Machinery & Supplies & Components Starbucks SBUX Consumer
 Discretionary Restaurants Starwood Property Trust STWD Financials State Street Corporation STT Financials Asset Management & Custody Banks Steel Dynamics STLD Materials ST
 Sun Communities SUI Real Estate Supermicro SMCI Information Technology Application Software, Storage & Peripherals Synchrony Financials Regional Banks Sysco SYY Consumer Staples Food Distributors T-Mobile US TMUS
Communication Services Wireless Telecommunication Services Take-Two Interactive TTWO Communication Services Interactive Home Entertainment Tapestry, Inc. TPR Consumer Discretionary Apparel, Accessories & Luxury Goods Targa Resources TRGP Energy Oil & Gas Storage & Transportation TGT Consumer Staples
Consumer Staples Merchandise Retail TD Synnex SNX Information Technology Distributors Technology Distributors Technologies TDY Industrials Aerospace & Defense Teleflex TFX Health Care Facilities Teradata TDC
Information Technology IT Consulting & Other Services Texas Instruments TXN Information Technology Semiconductors Texas Pacific
Land Corporation TPL Energy Oil & Gas Exploration & Production Texas Roadhouse TXRH Consumer Discretionary Leisure Products Timken
Company TKR Industrials Indust
 Homebuilding TopBuild BLD Consumer Discretionary Toro Company (The) TTC Industrials Agricultural & Farm Machinery TPG Inc. TPG Financials Tractor Supply Company TSCO Consumer Discretionary Other Specialty Retail Trade Desk (The) TTD Information Technology Advertising Tradeweb TW Financials Trane Technologies TT Industrials
Building Products TransDigm Group TDG Industrials Aerospace & Defense TransUnion TRU Industrials Property & Casualty Insurance Trex Company, Inc. TREX Industrials Building Products Trimble Inc. TRMB Information
Technology Electronic Equipment & Instruments Tripadvisor TRIP Communication Services Interactive Media & Services Interactive Media & Services Truist Financials Regional Banks Trump Media & Technology Tyler Te
Application Software Tyson Foods TSN Consumer Staples Packaged Foods & Meats U-Haul (Series N) UHAL.B Industrials U.S. Bancorp USB Financials Diversified Banks U.S. Steel X Materials Steel Uber UBER Industrials U.S. Bancorp USB Financials Diversified Banks U.S. Steel X Materials Steel Uber UBER Industrials U.S. Bancorp USB Financials Diversified Banks U.S. Steel X Materials U.S. Bancorp USB Financials Diversified Banks U.S. Bancorp 
 Residential REITs UGI Corporation UGI Utilities Gas Utilities Gas Utilities UiPath PATH Information Technology Ulta Beauty ULTA Consumer Discretionary Apparel, Accessories & Luxury Goods Under Armour (Class C) UA Consumer Discretionary Apparel
 Accessories & Luxury Goods Union Pacific Corporation UNP Industrials Rail Transportation United Airlines Holdings UAL Industrials Passenger Airlines United Rentals URI Industrials Passenger Airlines URI Industrials Passenger URI Industrials Passenge
 Wholesale Mortgage UWMC Financials UnitedHealth Group UNH Health Care Unity Technology Semiconductors Universal Display Corporation OLED Information Technology Semiconductors Universal Health Services UHS Health Care Health Care Health Care Unity Technology Semiconductors Universal Health Care Unity Technology Universal Display Corporation OLED Information Technology Universal Health Care Health Care Unity Technology Universal Display Corporation OLED Information Technology Universal Health Care Unity Technology Universal Display Corporation OLED Information Display Corporation Display C
USFD Consumer Staples Vail Resorts MTN Consumer Discretionary Valero Energy VLO Energy VIO Energy VLO Energy VLO Energy VLO Energy VLO Energy VLO Energy VIO Energy VLO Energy VIO Energy VLO Energy V
VLTO Industrials Verisign VRSN Information Technology Internet Services & Infrastructure Verisk Analytics VRSK Industrials Research & Consulting Services Vertex Pharmaceuticals VRTX Health Care Biotechnology Vertiv VRT Industrials Vertis VSTS Consumer
 Discretionary VF Corporation VFC Consumer Discretionary Apparel, Accessories & Luxury Goods Viatris VTRS Health Care Biotechnology Viper Energy VNOM Energy Oil & Gas Storage & Transportation Virtu Financial VIRT Financials Visa
 Inc. V Financials Transaction & Payment Processing Services Vistra Corp. VST Utilities Vontier VNT Information Technology Electronic Equipment & Instruments Vornado Realty Trust VNO Real Estate Office REITs Voya Financials Multi-Sector Holdings Vulcan Materials VMC Materials Construction Materials W. P. Carey WPC Real
 Estate W. R. Berkley Corporation WRB Financials Property & Casualty Insurance W. W. Grainger GWW Industrials Industrials Machinery & Supplies & Components Walgreens Boots Alliance WBA Consumer Staples Drug Retail Walmart WMT Consumer Staples
Consumer Staples Merchandise Retail Walt Disney Company (The) DIS Communication Services Movies & Entertainment Warner Bros. Discovery WBD Communication Services Waters Corporation WAT Health Care Distributors Watsco WSO
Industrials Trading Companies & Distributors Wayfair W Consumer Discretionary Weatherford International WFRD Energy Group WEC Utilities Electric U
 Wendy's Company (The) WEN Consumer Discretionary Restaurants Wesco International WCC Industrials Western Digital WDC Information Technology Technology Hardware, Storage & Peripherals Western Union WU Information
Technology Data Processing & Outsourced Services Weyerhaeuser WY Real Estate Timber REITs Whirlpool Corporation WHR Consumer Discretionary Household Appliances White Mountains Insurance Group WTM Financials Williams
Companies WMB Energy Oil & Gas Storage & Transportation Williams-Sonoma, Inc. WSM Consumer Discretionary Homefurnishing Retail Willis Towers Watson WTW Financials Regional Banks Wolfspeed WOLF
 Information Technology Semiconductors Woodward, Inc. WWD Industrials Electrical Components & Equipment Workday, Inc. WDAY Information Technology Application Software Wyndham Hotels & Resorts WYNN Consumer Discretionary Casinos & Gaming Xcel Energy XEI
Utilities Multi-Utilities XP Inc. XP Financials Investment Banking & Brokerage XPO, Inc. XPO Industrials Cargo Ground Transportation Xylem Inc. XYL Industrials Industrials Investment Banking & Brokerage XPO, Inc. XPO Industrials Cargo Ground Transportation Xylem Inc. XYL Industrials Investment Banking & Brokerage XPO, Inc. XPO Industr
ZBRA Information Technology Electronic Equipment & Instruments Zillow (Class A) ZG Real Estate Zillow (Class C) Z Real Estat
Software ZoomInfo ZI Communication Services Zscaler ZS Information Technology Application Software Russell 1000 [^RUI]". Retrieved December 8, 2021. ^ "Index factsheet". ^ "iShares Russell 1000 ETF". FTSE/Russell home page
 Index Construction and Methodology Business data for Russell 1000 Index: Yahoo! Retrieved from " 2American multinational corporation For other uses, see 3M (disambiguation). 3M Company Minnesota Mining and Manufacturing Company (1902-2002) Company type Public Traded
 asNYSE: MMMDJIA componentS&P 100 componentS&P 500 componentS&P 500 componentSSINUS88579Y1010IndustryConglomerateFoundedJune 13, 1902; 122 years ago (1902-06-13) in Two Harbors, Minnesota, U.S.[1]FoundersJ. Danley BuddHenry S. BryanWilliam A. McGonagleJohn DwanHermon W. CableCharles Simmons[2]HeadquartersMaplewood, Minnesota
U.S.Area servedWorldwideKey people Michael F. Roman (CEO)[3] Revenue US$4.58 billion (2024)Net income US$4.58 billion (2024)Website3m.comFootnotes /
 references[4] 3M Company (originally the Minnesota Mining and Manufacturing Company) is an American multinational conglomerate operating in the fields of industry, worker safety, and consumer goods.[5] Based in the Maplewood suburb of Saint Paul, Minnesota,[6] the company produces over 60,000 products,[7] including adhesives, abrasives
laminates, passive fire protection, personal protective equipment, window films, paint protection film, electronic connecting, insulating materials, car-care products, [8] electronic circuits, and optical films. [9] Among its best-known consumer brands are Scotch Tape, Scotchgard surface protectants, Post-it notes, and Nexcare adhesive
 bandages. 3M's stock ticker symbol is MMM and is listed on the New York Stock Exchange, Inc., and the SIX Swiss Exchange, Inc., and the SIX Swiss Exchange, Inc., and the SIX Swiss Exchange. 3M made $35.4 billion in total revenue.[10] As of 2021[update], the
company had approximately 95,000 employees and operations in more than 70 countries.[11] There are a few international subsidiaries, such as 3M India, 3M Japan, and 3M Canada.[12] In June 2023, 3M reached a settlement to pay more than $10 billion to US public water systems to resolve claims over the company's contamination of water with
 PFASs (so-called forever chemicals).[13] It has been revealed that the company knew of the health harms of PFAS in the 1990s, yet concealed these harms and Manufacturing Company as a mining venture in Two Harbors, Minnesota, making their
first sale on June 13, 1902.[1] The goal was to mine corundum, a crystalline form of aluminium oxide, which failed because the mine's mineral holdings were anorthosite, a feldspar which had no commercial value. Co-founder John Dwan solicited funds in exchange for stock and Edgar Ober and Lucius Ordway took over the company in 1905. The
company moved to Duluth and began researching and producing sandpaper products. William L. McKnight, later a key executive, joined the company in 1907, and A. G. Bush joined in 1909. 3M finally became financially stable in 1916 and was able to pay dividends. [definition needed] [16] The company moved to Saint Paul in 1910, where it remained
for 52 years before outgrowing the campus and moving to its current headquarters at 3M Center in Maplewood, Minnesota, in 1962.[17] The John Dwan Office Building, where 3M was founded, now a museum In 1947, 3M began producing perfluorooctanoic acid (PFOA), an industrial surfactant and chemical feedstock, by electrochemical fluorination.
[18] In 1951, DuPont purchased PFOA from then-Minnesota Mining and Manufacturing Company for use in the manufacturing of teflon, a product that brought DuPont referred to PFOA as C8.[20] The original formula for Scotchgard, a water repellent applied to fabrics, was discovered accidentally
 in 1952 by 3M chemists Patsy Sherman and Samuel Smith. Sales began in 1956, and in 1973 the two chemists received a patent for the formula.[21][22] In the late 1950s, 3M produced the first asthma inhaler,[23] but the company did not enter the pharmaceutical industry until the mid-1960s with the acquisition of Riker Laboratories, moving it from
California to Minnesota.[24] 3M retained the Riker Laboratories name for the subsidiary until at least 1985.[25] In the mid-1990s, 3M Pharmaceuticals, as the division came to be called, produced the first CFC-free asthma inhaler in response to adoption of the Montreal Protocol by the United States.[26][27] In the mid-1990s, 3M Pharmaceuticals, as the division came to be called, produced the first CFC-free asthma inhaler in response to adoption of the Montreal Protocol by the United States.[26][27] In the mid-1990s, 3M Pharmaceuticals, as the division came to be called, produced the first CFC-free asthma inhaler in response to adoption of the Montreal Protocol by the United States.[26][27] In the mid-1990s, 3M Pharmaceuticals, as the division came to be called, produced the first CFC-free asthma inhaler in response to adoption of the Montreal Protocol by the United States.[26][27] In the mid-1990s, 3M Pharmaceuticals, as the division came to be called, produced the first CFC-free asthma inhaler in response to adoption of the Montreal Protocol by the United States.[26][27] In the mid-1990s, 3M Pharmaceuticals, as the division came to be called, produced the first CFC-free asthma inhaler in response to adoption of the Montreal Protocol by the United States.[26][27] In the mid-1990s, 3M Pharmaceuticals, as the division came to be called the first CFC-free asthma inhaler in response to adoption of the Montreal Protocol by the United States.[26][27] In the mid-1990s, 3M Pharmaceuticals, as the division came to be called the first CFC-free asthma inhaler in response to adoption of the Montreal Protocol by the United States.[26][27] In the mid-1990s, and the mid-1990s and the mid-199
 fifteen years developing a topical cream delivery technology which led in 1997 to health authority approval and marketing of a symptomatic treatment for genital warts, Aldara.[28][31] At the time, 3M Pharmaceuticals comprised about 20% of
3M's healthcare business and employed just over a thousand people.[30] By the 1970s, 3M developed a theatrical blood formula based on red colorfast microbeads suspended in a carrier liquid.[32] This stage blood was sold as Nextel Simulated Blood[32][33] and was used during the production of the 1978 film Dawn of the Dead.[34] It has since been
discontinued.[33] In the late 1970s, 3M Mincom was involved in some of the first digital audio recording system called "3M Digital Audio Mastering System".[35] 3M launched "Press 'n Peel" a
 sticky bookmark page holder in stores in four cities in 1977, but the results were disappointing. [36][37] A year later 3M instead issued free samples of it as a sticky note directly to consumers in Boise, Idaho, with 95% of those who tried them indicating they would buy the product was sold as "Post-Its" in 1979 when the rollout
 introduction began,[38] and was sold across the United States[38] from April 6, 1980.[39] The following year they were launched in Canada and Europe.[40] In 1980, the company changed its legal name to "3M Company".[42][43]
On September 8, 2008, 3M announced an agreement to acquire Meguiar's, a car-care products company that was family-owned for over a century.[44] In August 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 13, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 13, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 13, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 13, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 13, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 13, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 13, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 13, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 13, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 13, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 13, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 13, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 13, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 13, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 14, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 14, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 14, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 14, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 14, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 14, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 14, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 14, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 14, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 14, 2010, 3M acquired Cogent Systems for $943 million,[45] and on October 14, 2010, 3M acquired Cogent Systems for $943 
Winterthur Technology Group, a bonded abrasives company. In 2011 by 3M created CloudLibrary as part of its library systems unit as a competitor to OverDrive, Inc.; in 2015 3M sold the North American part of that unit to Bibliotheca Group GmbH, a company founded in 2011 that was funded by One Equity Partners Capital Advisors, a division of JP
Morgan Chase.[47][48] As of 2012, 3M was one of the 30 companies included in the Dow Jones Industrial Average, added on August 9, 1976, and was 97 on the 2011 Fortune 500 list.[49] On January 3, 2012, it was announced that the Office and Consumer Products Division of Avery Dennison was being bought by 3M for $550 million.[50] The
 transaction was canceled by 3M in September 2012 amid antitrust concerns.[51] In May 2013, 3M sold Scientific Anglers and Ross Reels to Orvis. Ross Reels to
year of $31.657 billion, up from $30.109 billion the year before.[54] In 2018, it was reported that the company would pay $850 million to end the Minnesota water pollution case concerning perfluorochemicals.[55] On May 25, 2018, Michael F. Roman was appointed CEO by the board of directors.[56] On December 19, 2018, 3M announced it had
 entered into a definitive agreement to acquire the technology business of M*Modal, for a total enterprise value of $1.0 billion. [57] In October 2019, 3M purchased Acelity and its KCI subsidiaries for $6.7 billion, including assumption of debt and other adjustments.
 affiliate of Altaris Capital Partners, LLC. for approximately $650 million, including a 17% interest in the new operating company, Kindeva Drug Delivery, [59] In December 2021, 3M announced that it would merge its food-safety business with food testing and animal healthcare products maker Neogen. [60] The deal, with an enterprise value of about
$5.3 billion,[60] closed in September 2022.[61] In July 2022, the company announced it would spin off its healthcare assets to form a new, independent firm, likely completing the transaction in 2023.[62] 3M will retain an ownership stake of 19.9% in the new, publicly-traded health care company and gradually divest the holdings.[62][63] The company
 will be known as Solventum Corporation.[64] In December 2022, the company announced plans to stop producing and using so-called forever chemicals (per and polyfluoroalkyl[65]), which have been commonly used in items such as food packaging, cellphones, nonstick pans, firefighting foams, and clothing. These chemicals are well known for their
 water-resistant and nonstick properties, but they are also dangerous pollutants that are linked to serious health problems, including ulcerative colitis and cancer. [66][67] The move comes as governments in the Netherlands and the United States consider actions against 3M. [68][69] In March 2024, 3M announced the appointment of William "Bill"
 Brown as chief executive officer to take effect on May 1, 2024. Michael Roman would remain in the role of executive chairman. Brown, 61, is the former chairman of the board and chief executive officer of L3Harris Technologies.[70] As of 2019, 3M produces approximately 60,000 products,[71] and has four business groups focused on safety and
 industrial, transportation and electronics, health care, and consumer products. [72] 3M obtained its first patent in 1924 and acquires approximately 3,000 new patents annually. The company surpassed the 100,000-patent threshold in 2014. [73] The Target Light System, built by 3M at Target headquarters in Minneapolis [74] 3M's Pollution Prevention
Pays (3P) program was established in 1975. The program initially focused on pollution reduction at the plant level and was expanded to promote recycling and reduce waste across all divisions in 1989. By the early 1990s, approximately 2,500 3P projects decreased the company's total global pollutant generation by 50 percent and saved 3M $500-600
 million by eliminating the production of waste requiring subsequent treatment. [75][76] In 1983, the Oakdale Dump in Oakdale D
 1950s. During the 1990s and 2000s, 3M reduced releases of toxic pollutants by 99 percent and greenhouse gas emissions by 72 percent. As of 2012, the United States Environmental Protection Agency (EPA) had awarded 3M with the Energy Star Award each year that it has been presented. [78] In 1999, the EPA began investigating perfluorinated
the phase-out of PFOS, perfluorooctanoic acid, and PFOS-related product products. The Cottage Grove facility manufactured PFAS from the 1940s to 2002.[83] In response to PFAS contamination of the
Mississippi River and surrounding area, 3M stated the area will be "cleaned through a combination of groundwater pump-out wells and soil sediment excavation". The restoration plan was based on an analysis of the company property and surrounding lands.[84] The on-site water treatment facility that handled the plant's post-production water was
not capable of removing PFAS, which were released into the nearby Mississippi River.[83] The clean-up cost estimate, which included a granular activated carbon system to remove PFAS from the ground water was $50 to $56 million,[85] funded from a $147 million environmental reserve set aside in 2006.[86] In 2008, 3M created the Renewable
 Energy Division within 3M's Industrial and Transportation Business to focus on Energy Generation and Energy Management.[87][88] In late 2010, the state of Minnesota sued 3M for $5 billion in punitive damages, claiming they released PFCs—classified a toxic chemical by the EPA—into local waterways.[89] A settlement for $850 million was reached
in February 2018.[90][82][91] In 2019, 3M, along with the Chemours Company and DuPont, appeared before lawmakers to deny responsibility, with company Senior VP of Corporate Affairs Denise Rutherford arguing that the chemicals pose no human health threats at current levels and that there were no victims.[92] In 2021, research had
 determined that 3M's Zwijndrecht (Belgium) factory caused PFOS pollution that may be contaminating agricultural products within a 15 kilometer radius of the plant which includes Antwerp. [93][94] The Flemish Government has paid 63 million euros for cleanup costs so far with 3M contributing 75,000 euros. [95] The Flemish Government issued
measures advising against the consumption of, for example, home-grown eggs within a radius of 5 kilometers. [96] In 2023, 3M reached an agreement to pay a $10.3bn settlement with numerous US public water systems to resolve thousands of lawsuits over PFAS contamination.
2019 Dec 2020 6,630[101] 5,830[101] 5,830[103] 5,830[103] 5,840[103] 5,840[103] 5,830[105] 5,840[103] 5,830[105] 5,840[105] 5,840[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[105] 5,830[10
these earplugs were standard issue to members of the U.S. military.[107] 3M acquired Aearo Technologies in 2008.[108] In May 2016, Moldex-Metric, Inc., a 3M competitor, filed a whistleblower complaint against 3M under the False Claims Act. Moldex-Metric, Inc., a 3M competitor, filed a whistleblower complaint against 3M under the False Claims Act. Moldex-Metric, Inc., a 3M competitor, filed a whistleblower complaint against 3M under the False Claims Act. Moldex-Metric, Inc., a 3M competitor, filed a whistleblower complaint against 3M under the False Claims Act. Moldex-Metric, Inc., a 3M competitor, filed a whistleblower complaint against 3M under the False Claims Act. Moldex-Metric, Inc., a 3M competitor, filed a whistleblower complaint against 3M under the False Claims Act. Moldex-Metric, Inc., a 3M competitor, filed a whistleblower complaint against 3M under the False Claims Act. Moldex-Metric, Inc., a 3M competitor, filed a whistleblower complaint against 3M under the False Claims Act. Moldex-Metric, Inc., a 3M competitor, filed a whistleblower complaint against 3M under the False Claims Act. Moldex-Metric, Inc., a 3M competitor, filed a whistleblower complaint against 3M under the False Claims Act. Moldex-Metric, Inc., a 3M competitor, filed a whistleblower complaint against 3M under the False Claims Act. Moldex-Metric, Inc., a 3M competitor, filed a whistleblower competitor
and that it knew the earplugs had an inherently defective design. [109] In 2018, 3M agreed to pay $9.1 million to the U.S. government to resolve the allegations, without admitting liability. [110] Since 2018, more than 140,000 former users of the earplugs (primarily U.S. military veterans) have filed suit against 3M claiming they suffer from hearing
loss, tinnitus, and other damage as a consequence of the defective design.[111] Internal emails showed that 3M officials boasted about charging $7.63 per piece for the earplugs which cost 85 cents to produce. The company's official response indicated that the cost to the government includes R&D costs.[112] 3M settled close to 260,000 lawsuits in
August 2023 by agreeing to pay $6 billion to current and former U.S. military members who were affected.[113] The N95 respirator mask was developed by 3M and approved in 1972.[114] Due to its ability to filter viral particulates, its use was recommended during the COVID-19 pandemic but supply soon became short.[114] Much of the company's
 supply had already been sold prior to the outbreak.[115] The shortages led to the U.S. government asking 3M to stop exporting US-made N95 respirator masks to Canada and to Latin American countries,[116] and President Donald Trump invoked the Defense Production Act to require 3M to prioritize orders from the federal government.[117] The
dispute was resolved when 3M agreed to import more respirators, mostly from its factories in China.[117] 3M later struck a CA$70M deal with the federal government of Canada and the Ontario provincial government to produce N95 masks at their plant in Brockville, Ontario.[118] Former 3M facility in St. Paul, Minnesota 3M's general offices
corporate research laboratories, and some division laboratories in the U.S. are in St. Paul, Minnesota. In the United States, 3M operates 80 manufacturing facilities in 29 states, and 125 manufacturing facilities in 27 countries outside the U.S. (in 2017).[119] During March 2016, 3M completed a 400,000-square-foot (37,000 m2)
 research-and-development building on its Maplewood campus that cost $150 million. Seven hundred scientists from various divisions occupy the building. They were previously scattered across the campus that cost $1.50 million in local tax increments in this manner will improve collaboration. 3M received $9.6 million in local tax increments in this manner will improve collaboration.
 financing and relief from state sales taxes in order to assist with development of the building. [120] Selected factory detail information: Cynthiana, Kentucky, U.S. factory producing Post-it Notes (672 SKU) and Scotch Tape (147 SKU). It has 539 employees and was established in 1969. [121] Newton Aycliffe, County Durham, UK factory producing
 respirators for workers safety using laser technology. It has 370 employees. In Minnesota, 3M's Hutchinson facility produces products for more than half of the company's 23 divisions, as of 2019.[122] The "super hub" has manufactured adhesive bandages for Nexcare, furnace filters, and Scotch Tape, among other products.[123][124] The Cottage
Grove plant is one of three operated by 3M for the production of pad conditioners, as of 2011.[125] 3M has operated a manufacturing plant in Columbia, Missouri since 1970. The plant has been used for the products including electronic components [126][127] solar and touchscreen films, and stethoscopes. The facility received a $20 including electronic components [126][127] solar and touchscreen films, and stethoscopes.
million expansion in 2012 and has approximately 400 employees. [128][129] 3M opened the Brookings, South Dakota plant in 1971, [130] and announced a $70 million expansion in 2014. [131] The facility manufactures more than 1,700 health care products and employs 1,100 people, as of 2018, making the plant 3M's largest focused on health care.
[132] Mask production at the site increased during the 2009 swine flu pandemic, 2002-2004 SARS outbreak, 2018 California wildfires, 2019-20 Australian bushfire season, and COVID-19 pandemic, 2002-2004 SARS outbreak, 2018 California wildfires, 2019-20 Australian bushfire season, and COVID-19 pandemic, 2002-2004 SARS outbreak, 2018 California wildfires, 2019-20 Australian bushfire season, and COVID-19 pandemic, 2002-2004 SARS outbreak, 2018 California wildfires, 2019-20 Australian bushfire season, and COVID-19 pandemic, 2002-2004 SARS outbreak, 2018 California wildfires, 2019-20 Australian bushfire season, and COVID-19 pandemic, 2002-2004 SARS outbreak, 2018 California wildfires, 2019-20 Australian bushfire season, and COVID-19 pandemic, 2002-2004 SARS outbreak, 2018 California wildfires, 2019-20 Australian bushfires, 2019-20 Australian
 approximately 330 employees in the metropolitan area, and announced a $40 million expansion project to upgrade the facility and redevelop another building.[134] In Iowa, the Ames plant makes sandpaper products and received funding from the Iowa Economic Development Authority (IEDA) for expansions in 2013 and 2018.[135][136] The Knoxville
 plant is among 3M's largest and produces approximately 12,000 different products, including adhesives and tapes.[137] 3M's Southeast Asian operations are based in Singapore, where the company has invested $1 billion over 50 years. 3M has a facility in Tuas, a manufacturing plant and Smart Urban Solutions lab in Woodlands, and a customer
 technical center in Yishun.[138] 3M expanded a factory in Woodlands in 2011,[125] announced a major expansion of the Tuas plant in 2018,[139] The company has operated in China since 1984,[140] and was Shanghai's first Wholly Foreign-Owned
Enterprise.[141] 3M's seventh plant, and the first dedicated to health care product production, opened in Shanghai in 2007.[142] By October 2007, the company had opened an eighth manufacturing facility, for the production of photovoltaics and other
renewable energy products, in Hefei in 2011.[144] 3M announced plans to construct a technology innovation center in Chengdu in 2015,[145] and opened a fifth design center in Shanghai in 2019.[146] 3M wordmark used from 1961 to 1978 Board chairs have included: William L. McKnight (1949-1966),[147][148] Bert S. Cross (1966-1970),[149]
[150] Harry Heltzer (1970-1975),[151] Raymond H. Herzog (1975-1980),[152] Lewis W. Lehr (1980-1986), Allen F. Jacobson (1986-1991),[153] Livio DeSimone (1991-2001),[153] Livio DeSimone (1991-2001),[153] Lewis W. Lehr (1980-1986), Allen F. Jacobson (1986-1991),[153] Lewis W. Lehr (1980-1986), Allen F. Jacobson (1986-1991),[153] Livio DeSimone (1991-2001),[153] L
 Roman was appointed in 2019.[159] 3M's CEOs have included: Cross (1966-1970),[150] Heltzer (1970-1975),[151] Herzog (1975-1979),[153] DeSimone (1991-2005),[155] Robert S. Morrison (2005, interim),[163] Buckley (2005-2012),[156][157] Thulin (2012-
2018), and Roman (2018-present).[158] 3M's presidents have included: Edgar B. Ober (1905-1929),[164] McKnight (1929-1949),[168] Heltzer (1966-1970),[148] and Herzog (1970-1975).[169] In the late 1970s, the position was separated into
respectively.[158] Oakdale Dump V. Huck, Brand of the Tartan: The 3M Story, Appleton-Century-Crofts, 1955. Early history of 3M and challenges, includes employee profiles. C. Rimington, From Minnesota mining and manufacturing to 3M Australia: the Story of an Innovative Company), Sid Harta Publishers, 2013. Recollections
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