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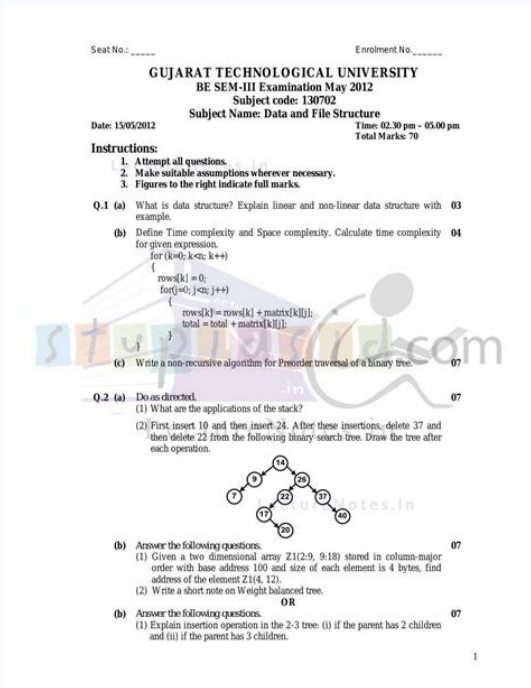
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SUMMARY OF COMPANY PROFILES

TEAM FINLAND VISIT TO CZECH AND SLOVAKIA	
LED BY MR. MATTI ANTONEN, UNDER-SECRETARY OF STATE, EXTERNAL ECONOMIC RELATIONS, MINISTRY FOR FOREIGN AFFAIRS OF FINLAND	
Company Name	Enevo Oy
Internet	www.enevo.com
Name	Heikki Tallgren
First name Last name	
Title	Key Account Manager
Company Established	2010
Year	
Company Turnover	04/2013-04/2014: 124.000
EUR	
Number of Employees	44
Company Profile in English	Enevo is a young and dynamic company specializing in advanced cloud based logistics optimization services for environmental and oil industry. In addition to headquarters in Espoo Finland, it has subsidiaries in UK, USA, Japan and Germany.
Max. 1000 characters with spaces, Word format	Enevo ONE is a comprehensive logistics solution that saves time, money and the environment. It uses wireless sensors to measure and forecast the fill-level of waste containers and generates smart collection plans using the most efficient schedules and routes. The solution provides up to 50% in direct cost savings.
	Smarter planning Until now collecting waste has been done using static routes and schedules where containers are collected every day or every week regardless if they are full or not. Enevo ONE changes all this by using smart wireless sensors to gather fill-level data from waste containers. The service then automatically generates schedules and optimised routes which take into account an extensive set of parameters (future fill-level projections, truck availability, traffic information, road restrictions etc.). New schedules and routes are planned not only looking at the current situation, but considering the future outlook as well.
	Increased efficiency Collection based on Enevo's smart plans significantly reduces costs, emissions, road wear, vehicle wear, noise pollution and work hours. Enevo ONE provides you up to 50% in direct cost savings in waste logistics. And that's not all. Reducing the amount of overfull containers means less litter

1

In this context, the Master Electrician is the show's chief electrician. This credential gives the ability to become a licensed electrical contractor and to pull permits. It is available as analog or digital display. Cord, Rope or Fish Tape. The fish tape is used to pull conductors through conduits, or sometimes to pull conductors through hollow walls. Training and regulation of trade Electrician installing new meter socket on the side of a house. The fishing tool is pushed, dropped, or shot into the installed raceway, stud-bay or joist-bay of a finished wall or in a floor or ceiling. There are variations in licensing requirements, however, all states recognize three basic skill categories: level electricians. In Western Australia, the Department of Commerce tracks licensee's and allows the public to search for individually named/licensed Electricians.[5] Currently in Victoria the apprenticeship lasts for four years, during three of those years the apprentice attends trade school in either a block release of one week each month or one day each week. Then the wire or cable is attached and pulled back. Common features include: voltage, resistance, and current. The Electricity at Work Regulations are a statutory document that covers the use and proper maintenance of electrical equipment and installations within businesses and other organisations such as charities. United Kingdom The two qualification awarding organisations are City and Guilds and EAL. ^ CSLB CA ^ Archived 2013-03-10 at the Wayback Machine State of NV ^ State of ME ^ "Electrician Licensure by Reciprocity". "Consumer Protection - Energy Safety". Demand Media. Although theater electricians routinely perform electrical work on stage lighting instruments and equipment, they are not part of the electrical trade and have a different set of skills and qualifications from the electricians that work on building wiring. The only difference between each class is that they are able to do increasingly higher voltage and current work. Needle-Nose Pliers: Pliers with a long, tapered gripping nose of various size, with or without cutters, generally smaller and for finer work (including very small tools used in electronics wiring). Other sub-specialties such as control wiring and fire-alarm may be performed by specialists trained in the devices being installed, or by inside wiremen. ^ John Cadick et al, Electrical Safety Handbook Third Edition, Mc Graw Hill 2005, ISBN 0-07-145772-0 ^ 253F.html Michael McCann, Why Are So Many Construction Workers Being Electrocuted?, retrieved 2010 July 27 External links Wikimedia Commons has media related to Electricians. Hydraulic units achieve cold welding, even for aluminum cable. An electrician may experience electric shock due to direct contact with energized circuit conductors or due to stray voltage caused by faults in a system. The IET also publish a series of 'Guidance Notes' in book form that provide further in-depth knowledge. Many jurisdictions have regulatory restrictions concerning electrical work for safety reasons due to the many hazards of working with electricity. North America Some electricians are union members. Retrieved 2010-02-15. {{cite web}}: CS1 maint: archived copy as title (link) ^ "Trade Chart / Ellis Chart". Wire Strippers: Plier-like tool available in many sizes and designs featuring special blades to cut and strip wire insulation while leaving the conductor wire intact and without nicks. Cable Cutters: Highly leveraged pliers for cutting larger cable. Journeyperson electricians can work unsupervised provided that they work according to a master's direction. These organizations provide comprehensive training, in accordance with U.S. Department of Labor regulations. Some of the more common tools are: Conduit Bender: Bender used to bend various types of Electrical Conduit. To provide data, structured cabling systems, home automation & theatre, LAN, WAN and VPN data solutions or phone points, an installer must be licensed as a Telecommunications Cable Provider under a scheme controlled by Australian Communications and Media Authority[4] Electrical licensing in Australia is regulated by the individual states. March 4, 2016, An endorsement under the Red Seal Program provides additional competency assurance to industry standards.[9] In order for individuals to become a licensed electricians, they need to have 9000 hours of practical, on the job training. Notwithstanding this, some Canadian provinces only grant "permit pulling privileges" to current Master Electricians, that is, a journeyperson who has been engaged in the industry for three years and has passed the Master's examination (i.e. Alberta).]; And in Laravel 5.1 you can add above method response(->file) as a fallback through a Service Provider with a Response Macro in the boot method (make sure to register it using its namespace in config/app.php if you make it a class). Electrical Contractors can be represented by the National Electrical & Communications Association or Master Electricians Australia. ^ a b Hering, Bob. Some examples of electricians' unions include the International Brotherhood of Electrical Workers, Canadian Union of Public Employees, and the International Association of Machinists and Aerospace Workers.The International Brotherhood of Electrical Workers provides its own apprenticeships through its National Joint Apprenticeship and Training Committee and the National Electrical Contractors Association. Silicon Chip Online. ^ Government of Canada ^ file(storage_path(\$pathToFile), ['Content-Disposition' => str_replace('%name', \$fileNameFromDatabase, "inline; filename=\"%name\"; filename*=utf-8\"%name"), 'Content-Type' => Storage::getMimeType(\$pathToFile), // e.g. 'application/pdf', 'text/plain' etc. Apprentices may not work without direct supervision.[11] Before electricians can work unsupervised, they are usually required to serve an apprenticeship lasting three to five years under the general supervision of a master electrician and usually the direct supervision of a journeyperson electrician.[11] Schooling in electrical theory and electrical building codes is required to complete the apprenticeship program. Generally an electrician's work is physically demanding such as climbing ladders and lifting tools and supplies. Industry best practice is the Queensland Electrical Safety Act 2002, and requires six-monthly testing. Voltmeter: An electrician's tool used to measure electrical potential difference between two points in an electric circuit. Retrieved 10 April 2013. Tradesperson specializing in electrical wiring For other uses, see Electrician (disambiguation). Boot method content: // Be aware that I excluded the Storage::exists() and / or try()catch() { \$factory->macro('file', function (\$pathToFile, array \$userHeaders = []) use (\$factory) { // Storage facade path is relative to the root directory // Defined as "storage/app" in your configuration by default // Remember to import Illuminate\Support\Facades\Storage \$storagePath = str_replace('app/', '', \$pathToFile); // app/ may change if different in your configuration \$fileContents = Storage::get(\$storagePath); \$fileMimeType = Storage::getMimeType(\$storagePath); // e.g. 'application/pdf', 'text/plain' etc. Retrieved 2018-02-23. A journeyperson electrician is a classification of licensing granted to those who have met the experience requirements for on the job training (usually 4,000 to 6,000 hours) and classroom hours (about 144 hours). dpo.colorado.gov. Many apprenticeship programs provide a salary to the apprentice during training. Archived from the original on 2011-04-06. Multimeter: An instrument for electrical measurement with multiple functions. Australia Electricians can choose to be represented by the Electrical Trade Union (ETU). Non-Contact Voltage Testers Lineperson's Pliers: Heavy-duty pliers for general use in cutting, bending, crimping and pulling wire. Canada A utility electrician/lineperson does maintenance on a utility pole. In British English, an electrician is colloquially known as a "spark".[10] United States Although many electricians work for private contractors, many electricians get their start in the military. 'Content-Type' => \$fileMimeType,], \$userHeaders); return \$factory->make(\$fileContents, 200, \$headers); }); Some of you don't like Laravel Facades or Helper Methods but that choice is yours. Auto electricians specialize in cars and commercial vehicles. Insulation Resistance Tester: Commonly referred to as a Megger, these testers apply several hundred to several thousand volts to cables and equipment to determine the insulation resistance value. Used to manipulate cables and wires through cavities. This training enables them to become journeyperson electricians. Industrial electricians may be exposed to the heat, dust, and noise of an industrial plant. These may be hand or hydraulic powered. Occasionally an electrician must work in a cramped space or on scaffolding, and may frequently be bending, squatting or kneeling, to make connections in awkward locations. 25 July 2014. Requirements include completion of two to six years of apprenticeship training and passing a licensing exam.[12] Reciprocity An electrician's license is valid for work in the state where the license was issued. If a system cannot be de-energized, insulated tools are used; even high-voltage transmission lines can be repaired while energized, when necessary.[17] Electrical workers, which includes electricians, accounted for 34% of total electrocutions of construction trades workers in the United States between 1992–2003.[18] Working conditions Working conditions for electricians vary by specialization. Other general-use tools include screwdrivers, hammers, reciprocating saws, drywall saws, flashlights, chisels, tongue and groove pliers (Commonly referred to as 'Channellock®' pliers, a famous manufacturer of this tool) and drills. Under Australian law, electrical work that involves fixed wiring is strictly regulated and must almost always be performed by a licensed electrician or electrical contractor.[3] A local electrician can handle a range of work including air conditioning, light fittings and installation, safety switches, smoke alarm installation, inspection and certification and testing and tagging of electrical appliances. Generally, states do not offer journeyperson permits, and journeyperson electricians and other apprentices can only work under permits issued to a master electrician. Contractors are responsible for generating bids for new jobs, hiring tradespeople for the job, providing material to electricians in a timely manner, and communicating with architects, electrical and building engineers, and the customer to plan and complete the finished product. Colorado Department of Regulatory Agencies. Electricians may be employed in the installation of new electrical components or the maintenance and repair of existing electrical infrastructure.[1] Electricians may also specialize in wiring ships, airplanes, and other mobile platforms, as well as data and cable lines. \$fileNameFromStorage = basename(\$pathToFile); // strips the path and returns filename with extension \$headers = array_merge(['Content-Disposition' => str_replace('%name', \$fileNameFromStorage, "inline; filename=\"%name\"; filename*=utf-8\"%name"), 'Content-Length' => strlen(\$fileContents), // mb_strlen() in some cases? Nonetheless, this answer will only work if you remove the Storage facade parts, taking in the contents instead of the path as the first parameter as with the @BenSwinburne answer. Safety equipment used and worn by electricians in Australia (including insulated rubber gloves and mats) needs to be tested regularly to ensure it is still protecting the worker. Service electricians are tasked to respond to requests for isolated repairs and upgrades. "DIY Electrical Work Are Aussies DUMBER than Kiwis?". Furthermore, in British Columbia, an individual can go a step beyond that and become a "FSR", or field safety representative. Electricians are trained to work safely and take many measures to minimize the danger of injury. An electric arc exposes eyes and skin to hazardous amounts of heat and light. For example, California reciprocates with Arizona, Nevada, and Utah on the condition that licenses are in good standing and have been held at the other state for five years.[13] Nevada reciprocates with Arizona, California, and Utah.[14] Maine reciprocates with New Hampshire and Vermont at the master level, and the state reciprocates with New Hampshire, North Dakota, Idaho, Oregon, Vermont, and Wyoming at the journeyperson level.[15] Colorado maintains a journeyperson alliance with Alaska, Arkansas, the Dakotas, Idaho, Iowa, Minnesota, Montana, Nebraska, New Hampshire, New Mexico, Oklahoma, Utah, and Wyoming.[16] Tools Electricians use a range of hand and power tools and instruments. ^ Shock and Awe: The Story of Electricity- Jim Al-Khalili ^ Tester, Ross (2008-06-05). Some wire strippers include cable strippers among their multiple functions, for removing the outer cable jacket, for inserting cable & pipe connectors. "Electrician" is also used as the name of a role in stagecraft, where electricians are tasked primarily with hanging, focusing, and operating stage lighting. Australia An electrician's license entitles the holder to carry out all types of electrical installation work in Australia without supervision. However, to contract, or offer to contract, to carry out electrical installation work, a licensed electrician must also be registered as an electrical contractor. Parts of the Building Regulations cover the legal requirements of the installation of electrical technical equipment with Part P outlining most of the regulations covering dwellings Information regarding design, selection, installation and testing of electrical structures is provided in the non-statutory publication 'Requirements for Electrical Installations, IET Wiring Regulations, Eighteenth Edition, BS 7671:2018' otherwise known as the Wiring Regulations or 'Regs'. Auto electrician An auto electrician is a tradesperson specializing in electrical wiring of motor vehicles. Australian Government. Such requirements may be testing, registration or licensing. Opinionated note: You shouldn't store files in a DB. Electricians are trained to one of three levels: Apprentice, Journeyperson, and Master Electrician. Although partly covered during Level 3 training, more in-depth knowledge and qualifications can be obtained covering subjects such as Design and Verification or Testing and Inspection among others. They generally take several hundred hours of classroom instruction and are contracted to follow apprenticeship standards for a period of between three and six years, during which time they are paid as a percentage of the journeyperson's pay. Commonly used to create custom knock-outs in a breaker panel or junction box. Crimping Tools: Used to apply terminals or splices. Electrical competence is required at Level 3 to practice as a 'qualified electrician' in the UK. Electrical contractors are businesses that employ electricians to design, install, and maintain electrical systems. The United States does not offer nationwide licensing and electrical licenses are issued by individual states. Construction electricians primarily focus on larger projects, such as installing all new electrical system for an entire building, or upgrading an entire floor of an office building as part of a remodeling process. bizline.commerce.wa.gov.au. Some models offer additional functions. Construction electricians may spend much of their days in outdoor or semi-outdoor loud and dirty work sites. Lockout and tagout procedures are used to make sure that circuits are proven to be de-energized before work is done. Knockout Punch: For punching holes into boxes, panels, switchgear, etc. Training of electricians follows an apprenticeship model, taking four or five years to progress to fully qualified journeyperson level.[7] Typical apprenticeship programs consists of 80-90% hands-on work under the supervision of journeymen and 10-20% classroom training.[8] Training and licensing of electricians is regulated by each province, however professional licenses are valid throughout Canada under Agreement on Internal Trade. Safety See also: Occupational safety and health In addition to the workplace hazards generally faced by industrial workers, electricians are also particularly exposed to injury by electricity. Licensing requirements vary between jurisdictions. An A Class electrician may perform work unsupervised but is unable to work for profit or gain without having the further qualifications necessary to become a Registered Electrical Contractor (REC) or being in the employment of a person holding REC status. These come in many variations including hand, electrical, and hydraulic powered.

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