

Safety on the lines

The joint commitment
of everyone ensures
occupational safety

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Safety on the lines

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Contact us!

Occupational safety affects us all, and we want to improve safety in cooperation with suppliers. All feedback is important. Please send any ideas for articles, tips for development and feedback on the magazine to Karri Koskinen. Please don't hesitate to get in touch if you have any questions about occupational safety.

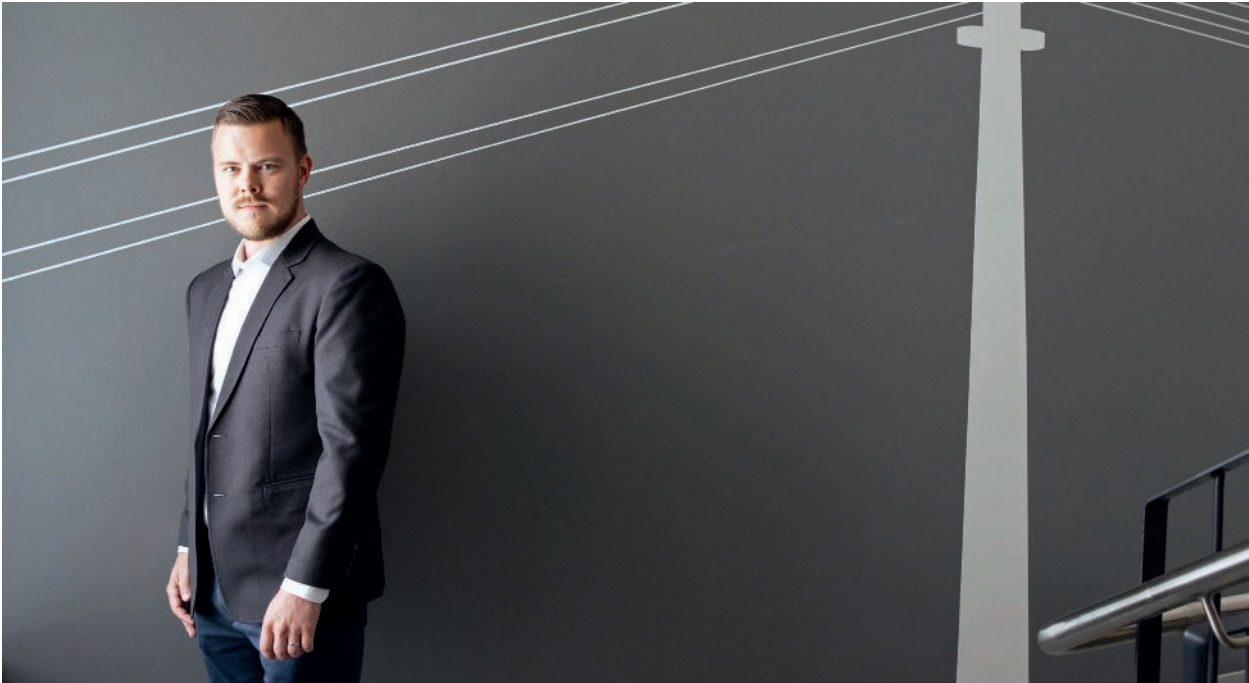


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FINGRID



Good practices are meant to be shared

The safety year of 2020 has truly been a year of change and exceptional times. We have been implementing the Crystal-Clear Line from the beginning of the year by training and through onsite visits. The goal has been to clarify the occupational safety responsibilities of client and suppliers. At the same time, we have globally faced a totally new situation in the means of the corona pandemic. The personal responsibility of occupational safety of each and every one of us has been emphasized as we continue to keep Finland running – with safety in mind.

During my visits at the Fingrid worksites, I have been more than pleased to find, that occupational safety does have a really strong foundation. Everyone is truly committed to developing the onsite safety and sharing experiences. At the latest, the abnormality of this year has shown that the knowledge of safety needs to be shared as efficiently as possible, beyond the organizational boundaries. We are all facing the same kind of challenges no matter who or where we are.

As we aim for zero accidents, our target for 2020 is to keep the lost time injury frequency below five. That is possible to achieve, if we stay active on occupational safety throughout the abnormality.

With the Crystal-Clear line project, the safety responsibilities are clarifying, and the detailed occupational safety demands of the contracts are decreasing. In the future we are sharing our knowledge and experiences on safety in the form of good practices of occupational safety.

Early this summer, Fingrid's Executive Management Group approved Fingrid's pledge on its occupational health and safety methods and targets, which states our commitment to develop occupational safety.

As this year has clearly shown, new situations can suddenly emerge, but they can be handled safely by working together and holding on to a responsible attitude. New ideas always come from changes, and those ideas may be shared as a safety observation, for example.

In the current digital reporting system, everyone can be heard, and each observation is an opportunity. Physical distance has been needed lately, and one of the best ways to show the much-needed emotional closeness is to share good safety practices.

I wish everybody a safe and pleasant autumn.

Janne Eskelinen

Unit Manager, Grid management, Fingrid

Crystal-Clear Line: Fingrid's way to act and good practices

About a year ago, we initiated the Crystal-Clear Line project based on feedback from suppliers and Fingrid's specialists. The purpose of the project is to clarify the responsibilities for occupational safety between the client and suppliers on Fingrid's worksites.

TEXT | KARRI KOSKINEN

PHOTO | JUHA-PEKKA HONKANEN



We discussed the change last year at several events attended by suppliers and Fingrid's personnel. The aim was to discover which changes are desirable and which things should remain the same. We redrafted our contract terms concerning safety based on these discussions and the relevant legislation, and we began using the new terms on 1 January 2020.

A large number of detailed requirements were eliminated from the contract terms based on the principle that the supplier is obliged to plan the safe execution of its work. The details that were taken out of the contract terms are still provided by Fingrid's online training, which is based on the contract terms concerning safety, legislative requirements, safe working methods and good occupational safety practices. The online training was updated in the summer to meet the new requirements of the contract terms concerning safety. Fingrid's online training is available for anybody who is interested in the matter, but it is only intended to apply to Fingrid's worksites.

Some of the text in the contractual clauses was transferred to the material on good occupational safety practices. The guidelines are intended to be updated continuously, and anybody can suggest additional good practices. One way of submitting suggestions is to use the safety observation form. The guidelines on good occupational safety practices serve as back-up material and recommendations on Fingrid's worksites. In autumn 2020, we will arrange video training on the topic in the form of brief training sessions on specific topics.

The topics contained in the guidelines on good practices include:

- Safety planning
- Communication and responsibilities on shared worksites
- Excavation safety
- Safety when lifting
- Safety when working at height
- Safety in demolition work
- Traffic and worksite roads
- Safety toolbox talks
- Ladders and scaffolding

In the spring, we held trainings on the new contract terms concerning safety for the personnel of Fingrid and its suppliers. Due to the coronavirus epidemic, the training events were held by video link. There were a total of six training events, and the participants had the opportunity to submit questions on the topic in advance. We will also be arranging video training on the contract terms in Finnish and English this autumn.

The Crystal-Clear Line project has altered more than just our contract terms; it has also changed the way we act and

handle occupational safety matters. Among other things, we have fine-tuned the way we intervene in the event of unsafe activities and what we do when we notice hazards or targets for development. The rule of thumb is that the main contractor on a Fingrid's worksite is responsible for the safety planning and for monitoring safety on the site. Everyone on a Fingrid worksite remains entitled and obliged to intervene if they observe any unsafe activity. The contract terms focus on advance planning of occupational safety, and they include several requirements related to planning. We have also set out more precise policies on how we comment on plans relating to occupational safety.

Fingrid is aiming for zero accidents.

The new contract terms concerning safety will be taken into use in new contracts. We hope to incorporate them into existing agreements immediately. For existing agreements, the implementation of the contract terms will be agreed for each project or agreement separately.

The introduction of the new contract terms and related training events are just the beginning of the change. Internalising the new methods will require an input of effort from Fingrid's personnel and those of its suppliers in order to change habits. The Crystal-Clear Line project seeks to further improve the standard of occupational safety on Fingrid's worksites. Fingrid is aiming for zero accidents. Promoting a culture of occupational safety on Fingrid's worksites will require everyone to demonstrate a strong commitment to occupational safety. ■

In May 2020, Fingrid's Executive Management Group approved Fingrid's pledge on its occupational health and safety methods and targets. This states that the occupational safety of our suppliers is important to us: "The occupational health and safety of everyone working on Fingrid's worksites is important to us. We are improving occupational health and safety in collaboration with our suppliers. We are improving our operations based on feedback from our suppliers. We are also monitoring our suppliers' occupational safety targets and their progress towards realising the targets on Fingrid's worksites. We demand a high standard of occupational safety in our agreements, both in investments and in maintenance."

The methods and targets have been published (in Finnish) on Fingrid's website at www.fingrid.fi/tyoturvallisuus.



The Crystal-Clear Line in practice

Clear responsibilities are a prerequisite for good operation

The coronavirus pandemic in the spring did not hold back Fingrid's work to instil the principle of Crystal-Clear Lines on worksites. So far, the only experiences have been positive.

TEXT | RIITTA ALAKOSKI

PHOTO | JUHA-PEKKA HONKANEN

The introduction of Crystal-Clear Line within Fingrid's supplier companies and on their worksites has been well received, and the implementation of new methods will continue at a steady pace. According to **Janne Eskelinen**, Unit Manager of Grid management at Fingrid, the practical implementation of the model has proceeded as planned, despite the unusual circumstances this year.

"We were able to conduct training as planned in the spring. We switched to remote training at the onset of the epidemic," Eskelinen said.

Training events will resume in the autumn for people who have not yet been able to attend.

Eskelinen says that the Crystal-Clear Line will not rise to major changes in the activities on worksites.

"The policy helps to clarify suppliers' responsibilities, and they also have the power to make decisions on details related to the responsibilities. This also presents a range of opportunities for suppliers."

"We no longer set out to place strict demands on matters such as working methods. This means that agreements include fewer detailed requirements."

Eskelinen says that the Crystal-Clear Line has enabled operators to bring their robust expertise to bear in matters of occupational safety.

"Our suppliers have a strong grasp of the fundamentals of occupational safety. Making things clearer serves to improve this further. Clear responsibilities are a prerequisite for very good – and safe – operation," Eskelinen emphasises. ■

Eltel Networks uses alternative working methods

Marko Elorinne, Operation Manager at Eltel Networks Oy, has been satisfied with the new operating method.

"We have now been planning and using more alternative working methods than before. For example, when we work at height, we have been able to choose the ideal methods for the specific worksite," Elorinne says.

The Crystal-Clear Line did not cause any difficulties among Eltel Networks' personnel – they were happy to adopt it. Elorinne particularly appreciates the clarity that the line provides.

"It has clarified many things, not least the issues of responsibility. Within the constraints of the law and safe working methods, working methods can be created and varied as required. As such, we can consider the individual characteristics, challenges and opportunities of each worksite more effectively. We also review the working methods that are suitable for the site in detail at the kick-off meeting," Elorinne explains. ■

Omexom started using the line before the summer

The most important thing is that the line provides customers with a clear indication of what our responsibilities are and what their responsibilities are," says **Janne Ketola**, Site Manager at Omexom.

Omexom was able to implement the changes introduced by the Crystal-Clear Line just before the summer.

"The Crystal-Clear Line led to changes in our safety plan and maintenance documents, which serve us and Fingrid, our main client. They will also benefit other clients. However, we cannot think of this as additional work because it was mainly a question of updating various matters and improving our business operations," Ketola says.

From Omexom's perspective, the Crystal-Clear Line facilitates cooperation with Fingrid by eliminating overlaps.

"The changes mainly manifest themselves in the form of an updated approach. We will continue to focus on safety first. Fingrid has provided good, constructive examples of various working methods. For example, the description of responsibilities on the worksite has been heavily inspired by previous activities," Ketola says.

"I would say that after six months we will have a better impression of the ideas it raises and the experience we have gained. We are clearly heading towards a better allocation of responsibilities. Thanks to the Crystal-Clear Line, responsibilities are defined more clearly, and this benefits every party." ■

Good occupational safety practices at Fingrid's suppliers: Occupational safety is the sum of joint efforts

A joint commitment to occupational safety and safety guidelines by every member of personnel is the key to worksite safety.

TEXT | RIITTA ALAKOSKI

PHOTOS | LEHTIKUVA, PANU RISSANEN, EMPOWER

Safety Supervisor **Sami Rautio** and Project Manager **Tapio Marttila** from Empower PN Oy and Project Manager **Jukka Roponen** from TMV Service Oy group the key occupational safety factors into three main categories: precise planning, good safety communication and joint targets. In their opinion, ensuring that every member of personnel is committed to occupational safety is by far the most important safety factor.

And these gentlemen know what they are talking about: Empower's worksites have gone well beyond 200 accident-free days, while TMV Service is now entering its third year in the same position.

"This number describes our successes. It is by no means a matter of course for a company of our size," says Rautio.

PRECISE PLANNING HELPS WITH FORECASTING

Jukka Roponen says that the key factor in ensuring occupational safety at TMV Service is the risk management plan,

which every worksite follows to the letter. The distinctive characteristics of each worksite and risk assessments for each work phase are taken into consideration when risk management is planned.

Roponen finds it especially important that employees are involved in the planning of risk management.

"It is important to ask them about their own safety observations and which working methods they would use at any given point."

Precise planning and employee insight are also considered important safety factors at Empower.

"We have an experienced team, so occupational safety is already deeply ingrained in their working methods. Nevertheless, it is integral to everything we do: cost calculations, schedules and practical activities. Accidents could start to happen if we cut corners due to time or budget constraints. We do not do that," Tapio Marttila emphasises.



”We encourage our employees and the personnel of subcontractors to highlight problems and deviations and, wherever possible, to intervene.

Jukka Roponen, Project Manager, TMV Service Oy



SAFETY COMMUNICATION MUST BE CLEAR

Rautio says that Empower’s occupational safety concept is very straightforward. Proven material can be adapted to suit the needs of any type of worksite.

“Our material is designed in such a way that any person could use it to find all the necessary places and things such as safety equipment, including fire-extinguishing apparatus and first-aid supplies. The placement of these items has been carefully considered, and in the field, we use stick markers, which have been highly praised. The sticks are painted in bright, high-visibility colours, and they have a 15 x 30 cm panel at the top, with large writing,” Rautio explains. He says that every location is carefully toured with the employees.

The men say that onboarding plays a key role, particularly in occupational safety matters related to this specific site. They do not forget the importance of reviews, and Fingrid’s safety toolbox talks are also widely used on the worksites of TMV Service and Empower. Both companies also hold their own information bulletins.

“When sparks from working machinery gave rise to a risk of wildfires on a worksite in the early summer, Fingrid asked us to have safety toolbox talks about that as well as the means of preventing wildfires,” says Rautio.

Rautio emphasises the importance of keeping subcontractors involved in occupational safety practices and guidance on the worksite.

“Large subcontractors have a firm grasp on these matters nowadays, but we can provide smaller contractors with an orientation to our practices if necessary,” Rautio says.



”The placement of fire-extinguishing apparatus and first-aid supplies has been carefully considered, and in the field, we use bright stick markers. Every location is also carefully toured with the employees.

Sami Rautio, Safety Supervisor, Empower PN Oy

A SHARED OBJECTIVE FOR EVERYONE

Good occupational safety is the sum of small, everyday actions in addition to detailed planning and orientation. Employee engagement is especially important in this respect.

“We encourage our employees and the personnel of subcontractors to highlight problems and deviations and, wherever possible, to intervene. For example, if there is a risk of somebody tripping over loose objects, an employee could move the objects out of the way. Or if someone on the worksite has forgotten their helmet, anyone could quickly tap them on the shoulder and remind them to fetch it,” Roponen says.

Rautio and Marttila point to the commitment and involvement of employees as the crucial factor in enabling Empower to create a good culture of occupational safety.

“Nowadays, it is pretty much taken as read that employees use helmets, goggles, protective footwear and high-visibility clothing, and there is no longer any need to explain the reasons for using them. The same people have been with us for years, so they have a firm grasp on occupational safety matters, and they are highly committed to complying with them,” Rautio says.

“For us, this is the best type of occupational safety. Nobody needs to explain why we use this equipment; people just pick it up and use it. Occupational safety is our top priority, and we will not compromise on it,” says Marttila. ■



When the borders were closed because of the coronavirus pandemic, employees were unable to get to worksites, but this situation was rapidly resolved, and there were no delays on worksites.

Coronavirus prevention procedures are well embedded on worksites – contingency measures proved their usefulness

The upheaval wrought by the coronavirus became immediately apparent on worksites in March. However, it is not possible to significantly alter the working methods used for practical work that cannot be done remotely.

TEXT | RIITTA ALAKOSKI
PHOTO | JOHANNES WIEHN

The coronavirus presented Fingrid and its supplier companies with a good opportunity to test their contingency plans and enhance them in the light of practical experience. Lessons were learned during the extraordinary circumstances brought on by the epidemic.

The greatest challenges during the coronavirus period involved waiting for coronavirus guidelines from the authorities, the perceived contradictions in policies, and the entry of employees into the country.

Fingrid's Vesa Syrjälä:

Continuous preparedness guided us during the pandemic

FThe coronavirus did not hit Fingrid and the energy sector like a bolt from the blue as it did in many other sectors. The energy sector is constantly making plans to prepare for disturbances, and comprehensive risk management procedures also include the potential for major threats.

“We held our most recent threat exercise in 2017 and, coincidentally, the theme was a pandemic. In conjunction with this, the operating instructions and procedures for use during pandemics were updated. Now they have been put to use,” says **Vesa Syrjälä**, Fingrid's Corporate Security Manager.

The greatest moments of uncertainty were in the weeks when the coronavirus spread to Finland and became an epidemic.

“Initially, everything was rather unclear when the borders were closed and there was little information available about future measures. At that stage, some work such as revisions scheduled for the spring was postponed to the autumn, which proved to be a good decision.”

“We held our most recent threat exercise in 2017 and, coincidentally, the theme was a pandemic.”

Vesa Syrjälä, Corporate Security Manager, Fingrid

Fingrid was well prepared to deploy its operating and communication practices for extraordinary circumstances as soon as the first pandemic restrictions and recommendations were issued.

The challenges posed by the coronavirus epidemic on worksites and the related practices were reviewed with suppliers in contexts such as the suppliers' occupational safety group. In line with the Crystal-Clear Line principle, suppliers planned the actions they needed to take on their worksites.

SIGNIFICANT DELAYS WERE AVOIDED

“We were able to keep all of our worksites going. There were some minor delays, mainly due to the problems in getting foreign employees into Finland. When the list of critical sec-

tors was published, we quickly sent our employees the requisite grounds for entering Finland, and they were able to come back here relatively quickly,” says Syrjälä.

Syrjälä says that the relatively short duration of the extraordinary circumstances in the spring and early summer were a great relief. If the extraordinary circumstances and the closure of the borders had gone on over the summer, the availability of workers and supplies would have been much worse. The gradual relaxation of the restrictions allowed work to continue uninterrupted.

“Some jobs that should only take a couple of weeks ended up taking about four weeks, but there were no longer delays than this.”

Syrjälä says that Fingrid had no problems concerning the availability of personal protective equipment.

“We were able to purchase these items in large volumes as soon as the coronavirus began to spread. We were then able to distribute them to our suppliers on our own projects.”

EFFECTIVE COOPERATION WITH THE AUTHORITIES

According to Syrjälä, one source of complexity was that decisions were being made by many different bodies in unprecedented circumstances.

“For example, when the Ministry of Economic Affairs and Employment released its list of critical sectors, which provided foreign workers in the construction sector with special permission to enter Finland, the traffic safety authorities put a stop to passenger shipping traffic. It was impossible to buy a ticket to board a ship: only cargo was allowed to cross the waters. Employees ultimately had to fly to Finland, and their belongings followed them over by ship,” Syrjälä says.

According to Syrjälä, the energy supply sector of the National Emergency Supply Agency was a very important link in all communications, and he praises its activities.

“They constantly provided us with good information, and they also communicated the key problems on the horizon. Our cooperation with the authorities was fairly effective in other regards, despite the unfamiliar and challenging circumstances,” says Syrjälä. ■

Toma Karkkulainen, Vattenfall*:

Some of our practices will continue after the coronavirus pandemic

Toma Karkkulainen Project Manager at Vattenfall, summarises the success of anti-coronavirus measures on worksites in one word: communication.

“The key factors on worksites are clear instructions and compliance with instructions and, in particular, ensuring that everyone receives information.”

Construction work needs to be done on-site, and Karkkulainen says that it was difficult to take all of the coronavirus restrictions into consideration and make substantial changes.

“Maintaining social distancing has been challenging and, at times, impossible. The team is in the same cluster the whole time, which makes this difficult. On the other hand, almost all of the work is done outdoors, so the risks are lower. Furthermore, there are almost no external visitors to the worksites, so the number of contacts has been limited,” he says.

”When employees work in two shifts, there are fewer close interactions, and continuity could be ensured.

*Toma Karkkulainen, Project Manager, Vattenfall Oy**

Handwashing and disinfection practices were added to the normal operating instructions on Vattenfall’s worksites. Unnecessary gatherings were avoided or took place in smaller groups and via remote meetings. Work matters were handled by phone whenever possible, and employees were advised to avoid visiting public restaurants. Employees were free to decide whether to wear masks at their own discretion.

SHIFT WORK USED IF NECESSARY

The Finnish installation technicians remained at work on Vattenfall’s worksites throughout the extraordinary circumstances brought on by the coronavirus, but foreign workers remained in their countries of origin for part of the period as the borders were closed.

“They made it back to Finland after a few weeks. Luckily, we were able to replace them with local workers, so there was no need for work to stop,” Karkkulainen says.

Karkkulainen states that many of the practices that were adopted will remain partially in use after the coronavirus pan-

dem. Karkkulainen expects to see more remote meetings between office-based employees after the coronavirus situation has subsided.

In the future, preparations will also be made for a switch to shift work.

“Worksites have made preparations for the eventuality that if one person falls ill, everyone will be quarantined. As we currently only have small teams on our worksites, we cannot work in two shifts. Managers on larger worksites would probably seek to switch to shift work so that work could continue even if the employees on one of the shifts were to be quarantined. When employees work in two shifts, there are fewer close interactions, and continuity could be ensured,” Karkkulainen says. ■

** Vattenfall’s transmission-line operation is now operated by TMV Line Oy, where Toma Karkkulainen now works as Project Manager.*

Expert tips for working during a pandemic

- Good hand hygiene, social distancing and other official guidelines should be introduced for every type of work that allows them. It is important to ensure that enough washing and disinfection points are provided on worksites and in the field.
- Efforts should be made to separate employees into teams, shifts or different workstations so that infections or quarantine do not cause work to grind to a halt.
- A hybrid model where some employees work remotely and other work in the office or on the worksite has proven to be an effective way of reducing the amount of contact between employees.
- In addition to working conditions, attention should be paid to the risks inherent in shared accommodation and employees travelling in teams.
- It is important to have good communication when exceptional practices are used so that everyone always has the latest information on guidelines and restrictions. ■



Seppo Ryttilä, Eltel Networks: Contingencies and precautions will continue into the second wave

The resurgence in coronavirus infection rates in August had partly been foreseen and led to companies reviewing their past and future pandemic practices. Eltel Networks' Quality Manager, **Seppo Ryttilä**, is satisfied with the way the company came through the exceptional circumstances.

"On worksites, we switched to working in teams that operated separately from one another. The members of different teams did not travel in the same cars, and care was taken to ensure social distancing," Ryttilä says.

Eltel also added soap and water to all of its production vehicles to enable employees to increase the number of times they washed their hands, no matter what the conditions or locations. Bottles of hand sanitiser and masks were also handed out for every vehicle to enhance hygiene.

The situation of employees on secondment living in shared accommodation was a special focus.

"Teams were also kept in mind when it came to housing arrangements. Housing units were only allowed to accommodate members of the same team. In addition, everybody had their own room, and an enhanced routine for cleaning and special surface cleansing was followed."

Work has continued uninterrupted on Eltel Networks' worksites, and there have so far been no infections passing from one employee to another.

PREPARATIONS ONGOING

Signs of the onset of a second wave brought Eltel Networks' coronavirus working group together to consider their next steps. The group decided to continue working with the policies used in the spring and refined the contingency plan for the future.

"Eltel's coronavirus team is actively monitoring infection trends and will react rapidly to any changes. In the event of an increase in the rate of infection, the work of office-based employees will be planned in such a way that people doing similar work will all be based in the same place so that infections or quarantine will not affect continuity," Ryttilä says.

Although masks are used when visiting private customers and high-risk areas, the recommendations for construction sites are unlikely to change. At present, masks are not required. Ryttilä finds the idea of using masks on worksites highly challenging.

"We tested the use of masks on one of our construction sites, but we found it to be impossible. They increased the number of occupational safety risks. For example, communication during working time became more difficult, and wearing a mask full-time also hinders the oxygen supply to people doing work that is already physically demanding," Ryttilä states. ■

A major responsibility

Fingrid's main grid encompasses over 14,000 kilometres of transmission lines and more than 100 substations. The operation of electrical installations and electrical work in such installation was the responsibility of Pasi Lehtonen until 2019. As the proportion of Fingrid's own electrical work began to increase and Lehtonen was approaching retirement, it was time to begin the process of handing down all the essential but unrecorded knowledge to the new people in charge of electrical work and of the operation of electrical installations.

TEXT | JUHA-PEKKA HONKANEN

PHOTOS | MIKKO NIKKINEN, FINGRID



A career in safety



Safety Manager **Pasi Lehtonen** has completed a long career in electricity networks. When Lehtonen completed his studies in 1983, he transferred from his role in the construction and maintenance of the distribution network to Imatran Voima's central control room. His main

duties were to monitor the national network and handle electricity generation.

"The electrical safety aspect came along a little later, and responsibilities at Fingrid have become more pronounced over the last 10–15 years," Lehtonen says.

Until June 2019, Lehtonen worked as Fingrid's person in charge of both operation of electrical installations and of electrical work. At that point, the responsibilities were divided among two people as the workload had increased. Lehtonen says that most of his work has consisted of being in charge of operation of electrical installations and taking care of electrical safety at substations, transmission lines and reserve power plants on the main grid. These tasks will now be assigned to different people.

Fingrid's stakeholders will recognise Lehtonen as a promoter of electrical safety, as he has been in charge of Fingrid's electrical safety training for suppliers on projects and in maintenance. The courses have focused on installing Fingrid's safety requirements into the everyday activities of people working on every part of the grid.

"Cooperation has been a significant part of the work – the core of the job.

Pasi Lehtonen, Safety Manager, Fingrid

As Lehtonen prepares to retire, he says that his work with Fingrid's personnel as well as with suppliers has gone smoothly.

"Cooperation has been a significant part of the work – the core of the job. Nothing can be pushed forward by one person alone. It requires a broader perspective; one that can only be achieved through cooperation." ■

Long-term sparring required



Over the last year, Lehtonen has been giving Senior Expert **Jani Pelvo** the benefit of his long-term experience in Fingrid's corporate security unit. Pelvo, now person in charge of operation of electrical installations, says that it would have been impossible to go through such a wide-ranging

area in an ordinary, brief orientation.

"Many things have a long history behind them, but they have become clearer thanks to Pasi."

Person in charge of operation of electrical installations is responsible for ensuring that the electrical installations and power plants on the main grid are safe to operate and do not present a hazard to third parties. Person in charge of operation of electrical installations is also responsible for ensuring that everyone who operates any electrical installation has the requisite professional skills and orientation. The position is also subject to the provisions of the Electrical Safety Act, and it is supervised by the Finnish Safety and Chemicals Agency (Tukes).

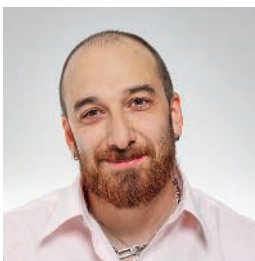
Pelvo says that his everyday work in charge of operation of electrical installations mainly consists of developing guidelines and procedures, as well as electrical safety instructions and training courses. Guidelines and procedures will be improved with the help of an effective safety observation system. Pelvo has worked at Fingrid since 1999 in various operator positions in the main grid control centre, as well as in roles involving operations training.

"We have hundreds of people working to maintain the main grid and keep it safe every day."

Jani Pelvo, Senior Expert, in charge of operation of electrical installations, Fingrid

"I can take over the safety of the main grid with confidence. We have hundreds of people working to maintain the main grid and keep it safe every day, and I have known many of them for a long time." ■

Securing critical professional skill led to additional responsibility



There are not many people who possess the specialist skills required to conduct testing work and the related fault repairs, so Fingrid has recruited employees for electrical work that requires special expertise. At the same time, the responsibility for managing electrical work has

grown.

Unit Manager **Kimmo Muttonen**, person in charge of electrical work, says that Finland is suffering from a shortage of testers. Testers ensure that systems work as planned.

"It is important for us to have access to testers because we are constantly expanding the grid. Sufficient professional competence also has a bearing on the reliability of the grid."

Muttonen, who has worked for Fingrid for three years, has a long background in electricity network maintenance, project development and construction in industry. At Fingrid, the

management of electrical work is one of the duties of the Unit manager, Secondary Systems.

In accordance with the Electrical Safety Act, if an electrical accident occurs, person in charge of electrical work is always personally responsible.

"The guidelines are clear and the personnel is appropriately qualified, so I can accept the responsibility."

Kimmo Muttonen, Unit Manager, in charge of electrical work, Fingrid

"In that sense, the role of person in charge of electrical work is a great responsibility, and there are plenty of precedents. The guidelines are clear, and everyone who does electrical work is appropriately qualified, so I am willing to accept that responsibility." ■

Every observation is an opportunity

Positive observations also help us to improve occupational safety.

Safety does not come ready-made; it requires us all to make a contribution. Fingrid will arrange a safety observation campaign for service providers and Fingrid personnel from 1 October to 29 November 2020.

Safety observations and reports of near misses can be submitted on the website and using an app.

www.fingrid.fi/havainto



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