



28 November 2017 9.00 am - 3.30 pm

Suppliers' occupational safety group

FINGRID

Programme for the day

- 9.00-9.15 Morning coffee
- 9.00-9.30 Meeting arrangements and introductions
- 9.30-10.00 Welcome to the suppliers' occupational safety group/Kari Kuusela
- 10.00-10.15 Competition legislation in the activity of the occupational safety group/Antti Kivipuro
- 10.15-11.00 Suppliers' occupational safety group targets/Karri Koskinen + all
- 11.00-11.30 Occupational safety at Fingrid sites - Summary/Karri Koskinen
- 11.30-12.30 Lunch
- 12.30-1.45 Safety in working at height/All
- 1.45-2.00 Coffee
- 2.00-3.00 Occupational safety challenges and suggestions about matters to be dealt with at future meetings. Timetable and agenda for the next meeting /All
- 3.30 Conclusion of meeting.

21.12.2017

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Introduction - Group members:

1. Erkki Pusa/Veo Oy,
2. Mikko Hakala/TLT-Building Oy,
3. Timo Pekonen/Empower PN Oy,
4. Jani Rintala/TMV Line Oy,
5. Juha-Matti Huhtanen/ABB Oy,
6. Marko Elorinne/Eltel Networks Oy,
7. Toma Karkkulainen/Vattenfall Services Nordic Oy,
8. Janne Ketola/Infratek Finland Oy,
9. Kimmo Honkaniemi/Caverion Suomi Oy,
10. Markku Linnanen/Siemens Osakeyhtiö

**Welcome to the suppliers' occupational
safety group/Kari Kuusela**

Occupational safety

**Combined 12-month LTIF 10/2017:
9.6**

(Occupational accident frequency = Number of occupational accidents that led to at least one c
inability to work/million completed work hours)

Target for 2017:
 ≤ 6

Accidents resulting in
absence 2017 total:
9

**One fatal accident and
1 serious accident in 2017**

**Competition legislation in the activity of
the occupational safety group/Antti
Kivipuro**



Committees 2017

Competition act perspectives at Fingrid and its customer bodies

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The taking into account of competition act matters in Fingrid operations

Pricing principles

- a decisive market position in sales of transmission and balance services
- reasonable pricing, fairness
- consistency and clarity of pricing principles

Acquisition principles

- a decisive market position in the procurement of reserves and balancing power
- open and non-discriminative procedures
- as much as possible on market terms

The taking into account of competition act matters in Fingrid operations 2/2

Market information management

- Internal processing guidelines for confidential information, data system security
- efficiency of market information publishing process (FG's own communications, via NPS, particularly UMMs)
- instructions for service providers and subcontractors
- loss energy acquisition and price protection so that insider information cannot be used
- nature of information reported to the board of directors
- operations of customer bodies

Documentation of operating principles, auditing of operations

Guideline concerning compliance with competition legislation specifies and records observed practice

Summary of key competition rules

- contracts restricting competition, special rules
- abuse of a decisive market position
- rules concerning customer bodies
- meetings procedures
- communication between competitors
- Processing of confidential information



Lakipalvelut / Tarmo Rantalankila

Ohje

2.12.2010

1 (5)

Hyväksytty Fingrid Oyj:n hallituksessa 16.12.2010

Kilpailulainsäädännön noudattaminen Fingridin neuvottelukunnan ja toimikuntien sekä vastaavien toiminnassa

1 Yleistä

Fingridin toiminnassa tulee noudattaa Suomen ja Euroopan yhteisön kilpailuoikeuden periaatteita ja säännöksiä. Jokaisen Fingridissä toimivan tehtävänä on omalta osaltaan huolehtia, että Fingridissä noudatetaan voimassa olevaa kilpailulainsäädäntöä. Sama velvollisuus koskee myös yhtiön asiakaselimä.

Tähän ohjeeseen on koottu kilpailulainsäädäntöön liittyvät periaatteet ja säännöt, joita noudatetaan Fingridin asiakaselimissä. Ohjeen toisessa luvussa esitellään kilpailulainsäädäntöön liittyvät keskeiset säännöt ja kolmannessa luvussa niiden huomiointi Fingridin asiakaselinten toiminnassa.

2 Keskeisimmät kilpailusäännöt

2.1 Kilpailua rajoittavat sopimukset

Sellaiset elinkeinonharjoittajien väliset sopimukset, elinkeinonharjoittajien yhteenliittymien päätökset sekä elinkeinonharjoittajien yhdenmukaistetut menettelytavat, joiden tarkoituksena on merkittävästi estää, rajoittaa tai vääristää kilpailua tai joista seuraa, että kilpailu merkittävästi estyy, rajoittuu tai vääristyy, ovat kiellettyjä.

Kiellettyjä ovat lähtökohtaisesti menettelytavat:

1. joilla suoraan tai välillisesti vahvistetaan osto- tai myyntihintoja taikka muita kauppaehtoja;
2. joilla rajoitetaan tai valvotaan tuotantoa, markkinoita, teknistä kehitystä taikka inves-

Guidelines concerning customer bodies

At meetings, clear agenda, presentation materials, minutes

Meetings material is published simultaneously for both members and third parties

Information concerning an individual company is not processed

Other confidential information characterised by the following is not processed:

- not available from public sources (such as FG's website)
- topicality
- can influence market behaviour

A list of typical confidential information

When turning discussion to a forbidden area, processing is suspended

Implementation

Guidelines are reviewed in committees



A new member must always read them



Compliance with guidelines is particularly monitored by Fingrid's representatives in committees and by chairpersons

**Suppliers' occupational safety group
targets/Karri Koskinen + all**

Practical arrangements

- The group's aim is to convene twice a year.
- Fingrid invites the group to convene no later than two months before the meeting.
- The meeting agenda is sent for comments no later than one month before the meeting, and the final agenda is sent no later than two weeks before the meeting.
- A dedicated page on Fingrid's website: Occupational safety à Fingrid suppliers' occupational safety group.
- Agendas and minutes are published on Fingrid's website.

Aims

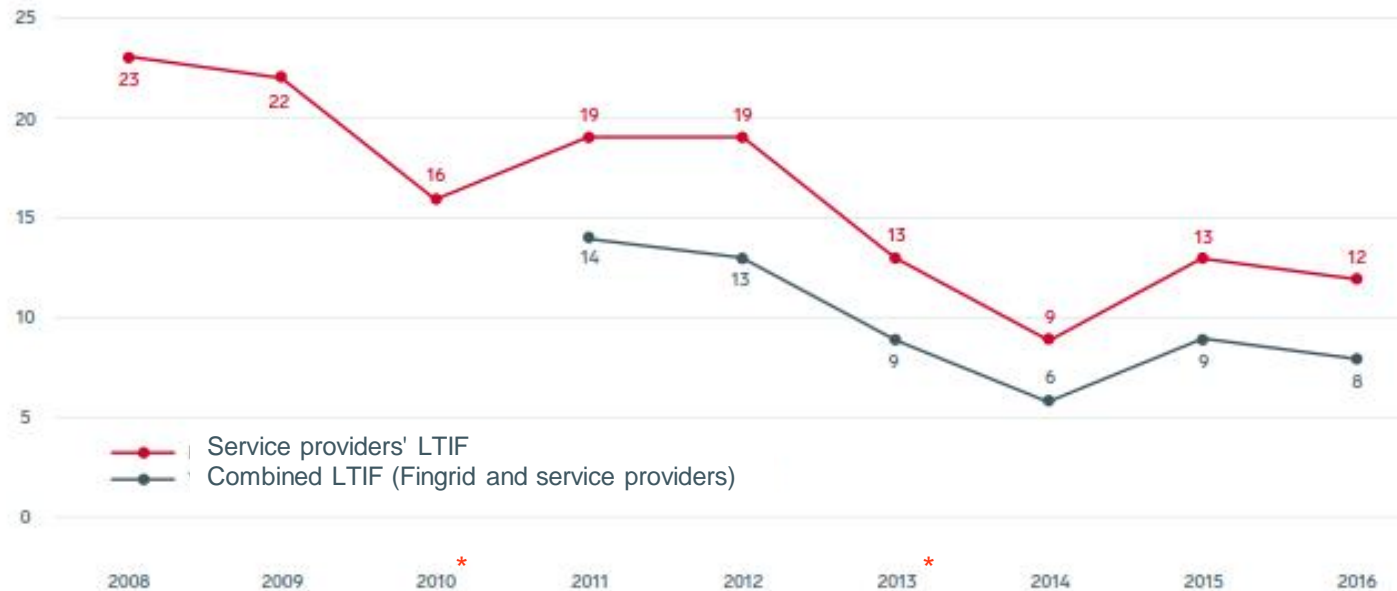
- The aims of the suppliers' occupational safety group are
 - to promote 'zero-accidents' thinking and a high level of occupational safety at Fingrid sites.
 - to share good occupational safety practices.
 - to share information about accidents and dangerous situations that have occurred.
 - to handle requirements and policies concerning occupational safety at Fingrid sites.

Occupational safety at Fingrid sites - Summary/Karri Koskinen

Occupational safety statistics 2008-2016

2016

976 650	575	12
Work hours	Work years	Lost time injuries



Suppliers' occupational accidents 2016 (2015)

Accidents resulting in absence 12 (13)

Transmission line projects 6 (8)

- Rubbish in the eye 1
- Slipping and tripping 2
- Getting caught between objects 3

Substation projects 4 (0)

- Electric shock 1
- Getting caught between objects/Moving objects 2
- Slipping/tripping 1



Transmission line maintenance 1 (2)

- Slipping and tripping 1

Management of flora 0 (1)

18

Substation maintenance 0 (2)

21.12.2017

Reserve power plants 1 (0)

- Falling objects 1

Occupational accidents 2017 [2016] (2015)

Accidents resulting in absence 9 [12] (13)

Transmission line projects 3 [6] (8)

- Falling
- Steel fell onto knee
- Slipping

Substation projects 3 [4] (0)

- Falling in harness
- Falling of cable trench cover onto foot
- Slipping



- Fingrid's own personnel 1 [0] (1)
- Saw slipped onto hand

Transmission line maintenance 2 [1] (2)

- A beam being towed hit someone's leg
- Slipping

Management of flora 0 [0] (1)

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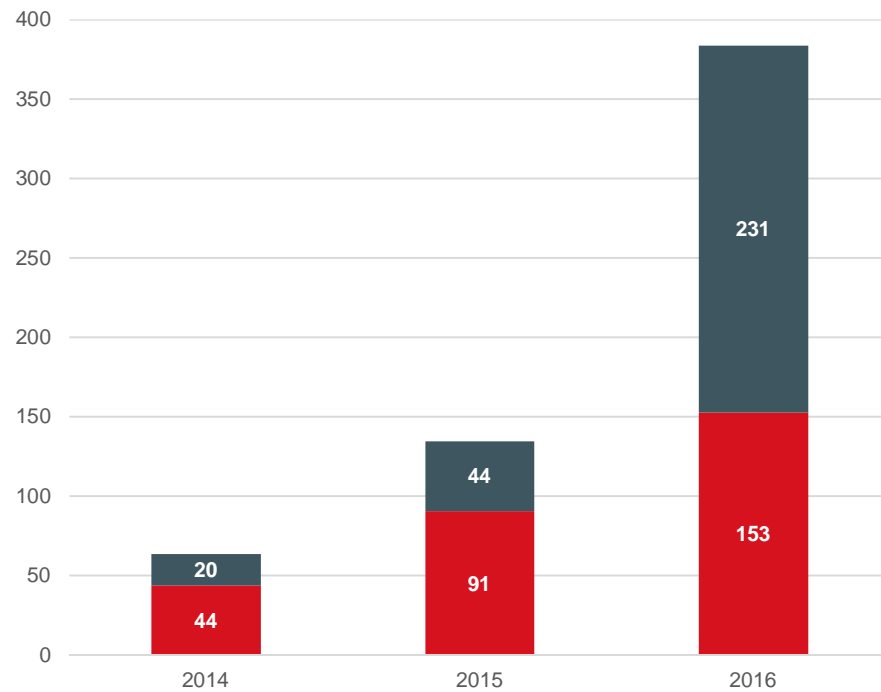
Substation maintenance 0 [0] (2)

21.12.2017

Reserve power plants 0 [1] (0)

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Safety observations



Near miss
Hazard observation

Tee turvallisuushavainto.
Pienikin huomio on tärkeä.

www.fingrid.fi/havainto

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Hazard observations 2017

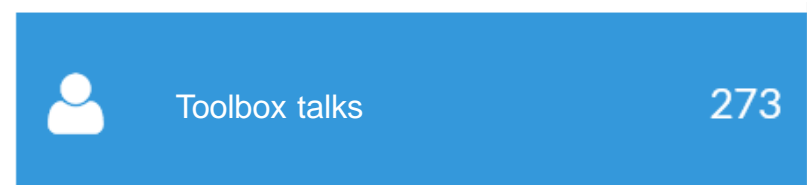
Near miss	113
Hazard observation	116
Harm to outsiders	15
All together	244

Toolbox talks

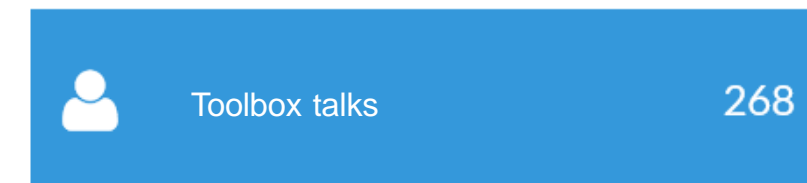
- A toolbox talk is a short event lasting about 15 minutes, dealing with topical occupational safety issues. A toolbox talk may be held, for example, by a supervisor, someone responsible for the site, another person appointed by the main contractor or a representative of the client.
- The aim of a toolbox talk is to improve awareness of and attitudes to occupational safety at Fingrid sites, and to ensure communication with all employees about, among other things, site risk factors, amendments to safety rules, and accidents and dangerous situations that have occurred.
- A toolbox talk should be clear and limited to a topic concerning occupational safety. A toolbox talk should be a two-way event, in which employees can give suggestions for improvement to the person holding the event. Suggestions for improvement should be recorded and, if necessary, committed to and scheduled.

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- 2017 (27 November 2017)



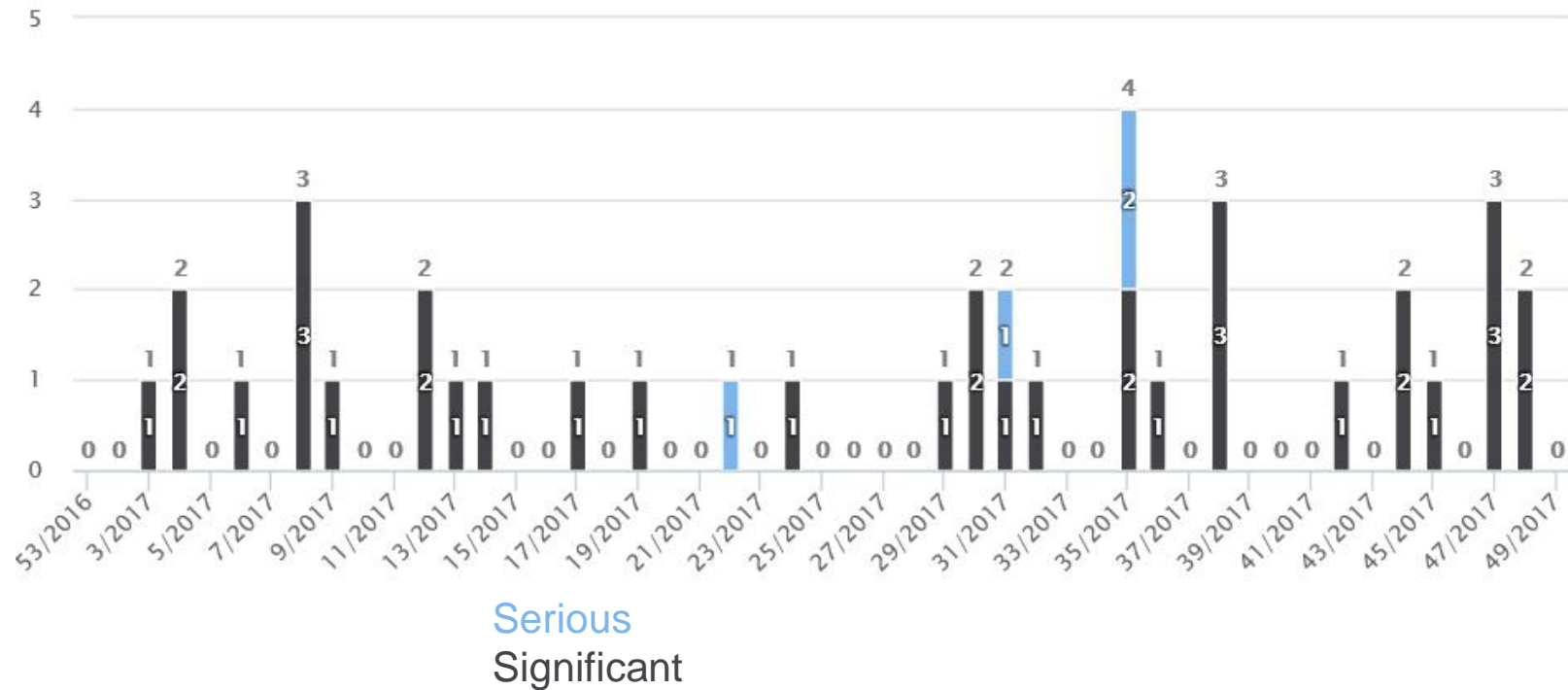
- 2016



21.12.2017

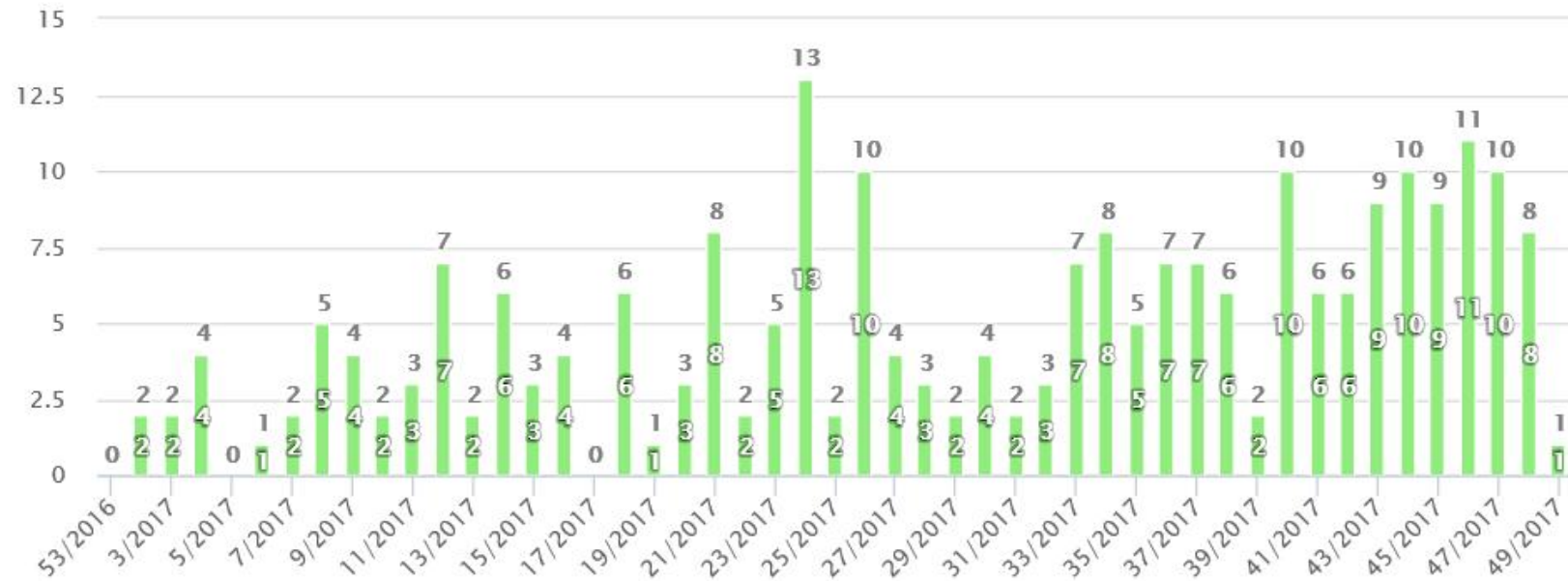
A- and B-class events 1 January - 27 November 2017

Turvallisuustapahtumien vakavuus ja lukumäärä



C-class events 1 January - 27 November 2017

Turvallisuustapahtumien vakavuus ja lukumäärä



Minor

A serious accident resulting in absence.

- A serious accident resulting absence occurred in May 2017 at a Fingrid site.
 - A two-person team was transporting the pieces of a horizontal brace from a dismantled tower out of a forest. The pieces were attached to a hoisting machine at the rear of an off-road vehicle equipped with tracks.
 - The timber hit the worker in the leg, causing a severe fracture.

Identify dangers and determine the danger zones of moving machines

- Risk factors must be identified as extensively as possible in advance. The risk assessment must also take into account moving machines and their danger zones. In transportation, the load must be attached so that it cannot be caught in anything. It is important that employees receive instruction in the identified danger zones of machines and safe working methods.



Ajoneuvon nostolaite



Oja

Safety in working at height/All

Fatal accident on a transmission line site 25 August 2017



• XX was working on the cross-arm beside the outermost phase conductor

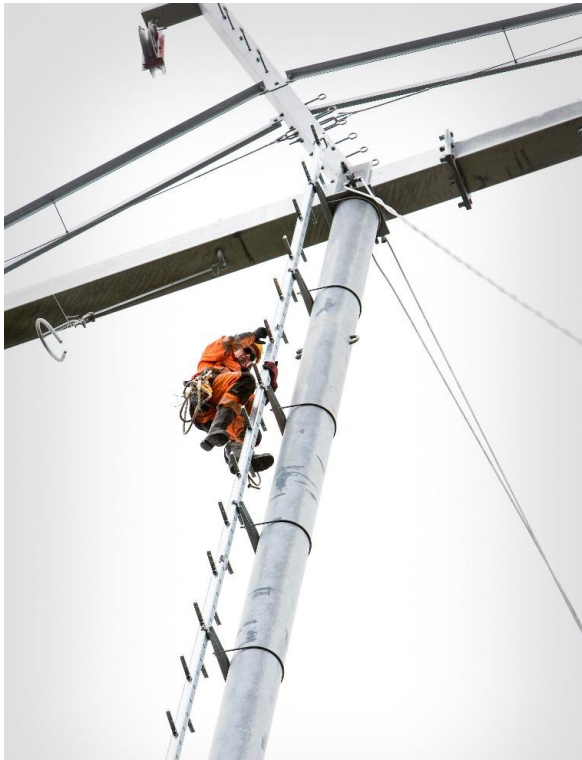
• The outermost phase conductor was fastened

• NN was presumably near the middle phase conductor at the time of the fall

• NN fell 16 meters to the ground

• YY was working on the ground near the foot of the tower

The eight most important steps



- Structural safety and guidelines for working at height
- Tightening of penalty practices and training about intervening in unsafe operations
- Surprise inspections in projects.
- Improvement in the work of the safety supervisor
- Requirements specified at start-up meetings for a work stage
- Training videos about working at height and additional earthing.
- Clarification of earthing practices
- Specifications of occupational safety practices project-specifically

Penalty practices 2018 (Draft)

Violations of the following safety rules are subject to penalty as outlined below in this section:

- Neglecting the use of high-visibility clothing
- Neglecting the use of helmet **with chin strap**
- Neglecting the use of protective footwear
- Neglecting the use of eye protection at a construction site
- Neglecting the "always attached" principle with safety harnesses
- Violating safety instructions in a way that compromises safety at the site
- Absence of an ID card with a photo and tax number

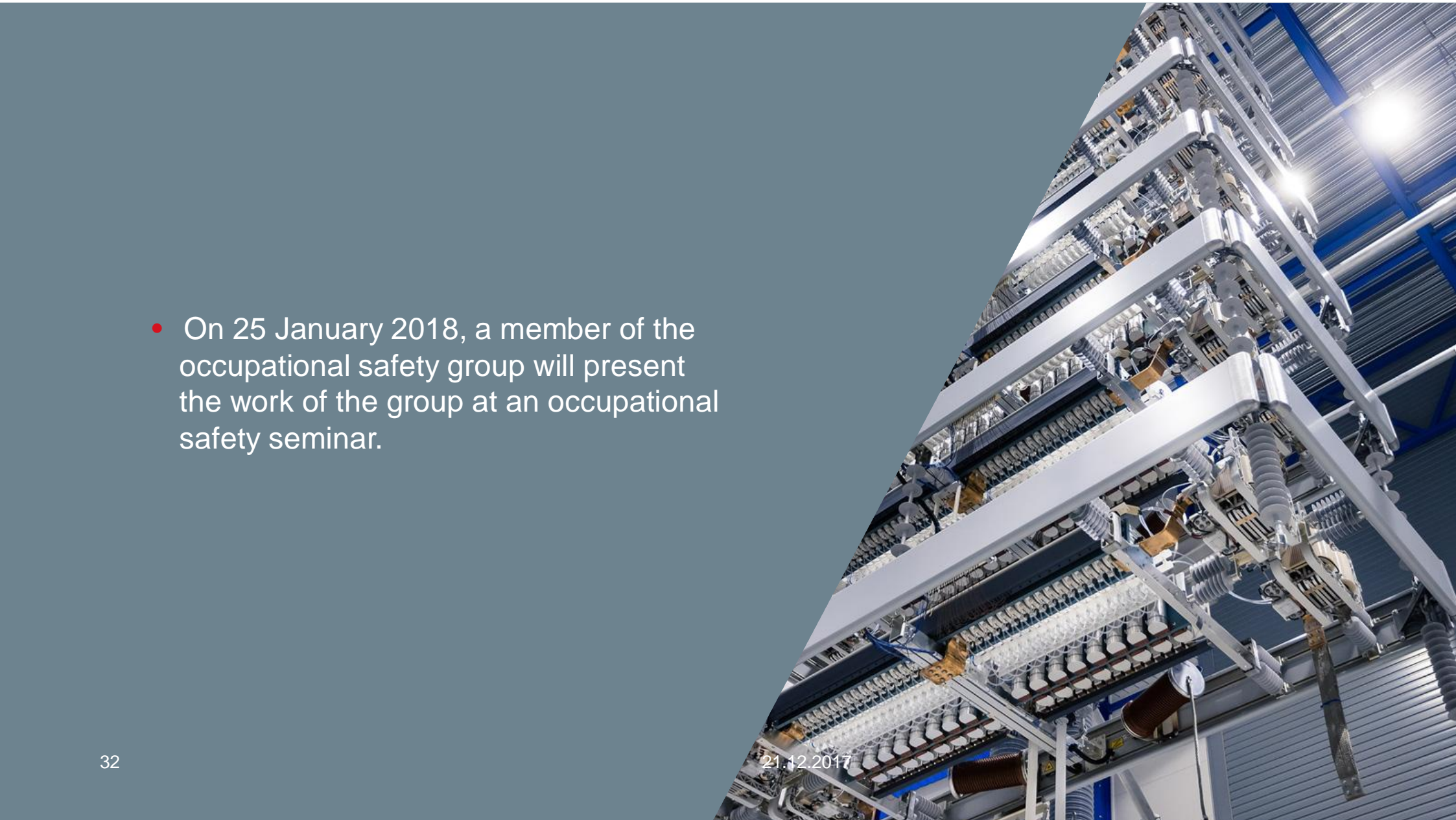
Penalty practices 2018 (Draft)

The Client shall immediately report all such incidents to the project managers, site manager, and the person guilty of the violation. Whenever possible, the violation is immediately recorded in the site journal and always in the records of the next site meeting (the violation, date, name, employer, person who detected the violation). The following penalties are imposed for violations:

1. A fine of EUR 1,000 for the Supplier for each individual violation case
2. The person guilty of violation is given a written warning for the first violation. If the same person violates safety rules again, he/she is given a written warning and removed from the site for the remainder of the day. If the same person violates safety rules at Fingrid's site for the third time, **he/she is banned from Fingrid sites for the minimum of two years.**
3. **In serious cases of violation, the guilty party is immediately banned from Fingrid sites for the minimum of two years. Serious violations include neglect of the "Always attached" method, connecting earthing in a prohibited way or failing to connect it at all, failing to use a helmet and lack of high-visibility clothing. The duration of the ban from sites is considered on a case-by-case basis, and extenuating circumstances may be taken into consideration.**

Occupational safety challenges and suggestions about matters to be dealt with at future meetings Timetable and agenda for the next meeting /All

- On 25 January 2018, a member of the occupational safety group will present the work of the group at an occupational safety seminar.





Thank you!

Fingrid Oyj

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