Well-being through work
FROM ZERO ACCIDENT VISION TO ZERO GOAL

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The Finnish Institute of Occupational Health (FIOH)
www.twitter.com/fioh

- Expert institute in occupational health and safety since 1945
- Areas of activity: research, services, information dissemination, training, co-operation
- A semi-private, tri-partite organisation under the FMSAH
- Employes 700 OSH experts across Finland
- A vital player in the European and international co-operation
Occupational safety products of FIOH for company use

- Finnish Zero Accident Forum
- ELMERI risk observation method
- TR safety monitoring method
- EU Safety Check lists
- TUTTAVA® Housekeeping method
Elements of occupational safety and health system at workplace  
(Source: MSAH)

Safety culture

Controlling safety

Safety management

Managing methods and procedures
- risk assessment
- measurements
- training

Managing people
- competencies
- involvement
- commitment
- motivation
Successful safety and health performance – Key factors

- Strong **commitment** of the top management
- Active **involvement** of the personnel
- Well-organized safety and health management system
Aspects of safety culture (HSE, Mayers 2013)
Promoting zero accident vision (ZAV)

• It is estimated that if all ILO Member States would use the best occupational accident prevention strategies and practices that are already easily available, some 300,000 deaths and 200 million work accidents could be prevented annually. (Takala 2002)

• There are already a large number of examples how the zero accident concept has been applied.

• Zero accident vision sets up both an intellectual and practical challenge to safety work.
Is there any way to zero accident goal?

- Zero accident vision provides an ethically sustainable basis for accident prevention.
- A safety management policy needs clear objectives.
- All accidents are preventable. If not right away, this should be feasible in longer run.
- Promoting this vision is an important weapon in the battle against common fatalism.
- Normally workplaces aim to decrease the number of accidents but in practice this is a difficult task.
- Even, if they have succeeded to reach a good safety level, it is hard to maintain it.
Triggers to zero accident policy: What would be factors to radical change in occupational safety policy in a company?

- Awakening to safety situation due to poor accident statistics (costs, ethical consequences, bad reputation)
- Competition of recruiting competent personnel to a company
- Change of owner of a company (new safety policy)
- Requirements from customers or from supply chain partners
- Participating in safety competitions
- CSR and changes in markets due to ethical codes
- New safety policies within the economic branch
- Actions of competitors
- Changes in company safety policy
- New requirements in safety, quality or productivity management systems (new goal settings)
www.seouldeclaration.org

The Seoul Declaration
The Seoul Declaration on Safety and Health at Work was adopted on 29 June 2008 by some 50 high-level decision-makers from around the world as a major new blueprint for constructing a global culture of safety and health at work.

Download the Seoul Declaration

160 million people are affected by occupational diseases each year. The Seoul Declaration commits to placing occupational safety and health high on national agendas. Quick facts...
The Seoul Declaration on Safety and Health at Work was adopted on 29 June 2008 by some 50 high-level decision-makers from around the world as a major new blueprint for constructing a global culture of safety and health at work.

Promoting high levels of safety and health at work is the responsibility of society as a whole.

A national preventative safety and health culture is one in which the right to a safe and healthy working environment is respected at all levels, where governments, employers and workers actively participate in securing a safe and healthy working environment.
Follow-up Strategy Conferences in Dresden, Germany

• In the second Strategy Conference of the Preventive Occupational Safety and Health Culture (Dresden, 3-4 February 2011), "Vision Zero, Reducing work accidents and occupational diseases" was defined as pillar no. 1 that establishes the foundation (the strategy) and forms the roof (the objective) for a culture of prevention.

• Following this, “Accidents – Vision Zero” was one main topic of the 3rd International Strategy Conference on Health and Safety at Work: “Networking as a driving force for a culture of prevention”, 6-8 February 2013, DGUV Congress Dresden, Germany.

• See more at LinkedIn-Subgroup: Accidents-Vision Zero
International Symposium on
Culture of Prevention - Future Approaches

25–27 September 2013
Helsinki Congress Paasitorni, Finland
International Symposium on Culture Of Prevention – Future Approches
Helsinki September 2013

ORGANIZERS

Proceedings available at:

www.ttl.fi/cultureofprevention2013
### Technical Sessions

**Prevention Culture - Prevention Strategies – Vision Zero**

| T1  | Promoting prevention culture in social security         | ISSA |
| T2  | Strengthening national OSH strategies and systems      | ILO  |

**Challenges in Occupational Health**

| T3  | Challenges and strategies for promoting occupational health | ILO   |
| T4  | Healthy workplaces – healthy workers                     | DGUV  |

**Diversity in the World of Work**

| T5  | Promoting employability of vulnerable groups            | ISSA  |
| T6  | Diversity in the world of work                          | DGUV  |
The Finnish Zero Accident Forum

In cooperation with:
Principles

• All accidents can be prevented.
• Accidents do not happen by accident.
• Learning is a key to success.
To whom

Zero Accident Forum is meant for all kinds of work-places; big or small, profit seeking and non-profit etc, which are interested in prioritising occupational safety and are striving for the forefront of safety.

Forum is a voluntary-based, commercial-free network.
Commitment to zero accident goal within the ZAF

1. We want to **improve** our occupational safety towards Zero Accident in order to become one of the forerunners of safety in the workplace.

2. We commit ourselves openly to **supplying** other workplaces with information on best practices of occupational safety.

3. We will improve the safety at our workplace in **co-operation** with our employees and management.

4. Health and safety are an integral part of the **successful business** operations at our workplace.

5. We commit ourselves to **taking action** at our workplace regarding occupational health and safety.

6. We commit ourselves to supplying the Zero Accident Forum project group with the appropriate information on occupational safety **annually**.
The Zero Accident Forum in Finland since 2003

- Voluntary-based safety network coordinated by FIOH and supported by the Ministry of Social Affairs and Health.
- Currently 322 member organisations across the country.
- These organisations employ more than 300,000 people (equals to 14% of the Finnish working population).
- The Forum covers 44 various economic branches – e.g. industry, construction, energy production, mining, logistics, hospitals and municipalities.
- Annual fee depends on the size of the company (5 categories).
Learning at different levels

The forum provides a new way of learning through the network of member organisations across different economic sectors.
Seminars and training courses

Groupworks

Networking

Good practice

Learning from others
Safety level certifications

Level I
"In the world’s Forefront of safety"

Level II
"Approaching the world’s forefront of safety"

Level III
"Heading for the world’s forefront in safety"
Campaign materials for member organisations

At the moment, 16 different packages on topics like:

- Principles of occupational safety
- Safety in cold weather and darkness
- Safety in home and leisure time
- Safe working attitudes
- Positive measurement tools
- Risk assessment
- Effective use of personal protection devices
- Safety responsibilities of management
- How to intervene in risk behaviour?
Extranet for member use

Nolla tapaturmaa

Tervetuloa!

Nolla tapaturmaa -foorumin ekstranet on verkoston jäsenten oma kohtaus- ja tiedonvälityspaikka.

Ekstranetissä monet julkaisut ovat pdf-tiedostoja. Jos sinulla ei ole niiden lukemiseen tarvittavaa ilmaista Acrobat Reader -ohjelmaa, voit ladata sen täältä:

Ilmoitustaulu

- Lähetä työpaikallasi käytössä hyväksy koettuja lomakepohjia tai toimintaohjemalleja ekstranettiin. Tutustu jo lähetettyyn aineistoon

- Verkkomedia Pajan esitykset

- Ensimmäinen kampanjamateriaali on nyt käytössä

- Foorumissa on nyt 75 jäsentä

Uutislehdet

- Numero 2/2004
- Numero 1/2004
- Numero 1/2003

Uutis- ja keskustelupalsta

Aloita uusi aihe
Web pages for public use (in Finnish and in English)
www.ttl.fi/zeroaccidentforum

Finnish Institute of Occupational Health

Main page Topics International Collaboration Advisory Services Training Research FIOH

Safety at work
- Occupational accidents
  - Finnish Zero Accident Forum
- Occupational health and safety
- Occupational safety management
- Personal protective equipment (PPE)
- Risk assessment
- Violence at work

Finnish Zero Accident Forum

The Zero Accident Forum is a voluntary network of Finnish workplaces. It is open to any workplace, regardless of its size, field or level of occupational safety. What is important is to have a genuine desire to improve safety and strive towards zero accidents. The membership of the Zero Accident Forum means that the management and staff of the organization are committed to improving their own occupational safety and carrying out the work it entails.

The operation of the Zero Accident Forum

The Zero Accident Forum is a voluntary network of Finnish workplaces. The members share a genuine desire to improve occupational safety and strive towards zero accidents. The Forum consists of companies and organizations of various sizes representing various industries. Some of them can boast top level occupational safety even by world standards, while others may still be fairly poor workplaces in that respect. However, the main principle of the forum is to learn from each other, even across industries and different business sectors.

The member organizations of the Zero Accident Forum contribute to the funding of the activities through a small annual fee. As members, workplaces receive information about best practices at other workplaces and an opportunity to learn from the top international workplaces. The seminars organized by the Zero Accident Forum as well the Forum's own intranet function as channels for open communication, where the members receive support and tools for improving their own occupational safety.
Executive group column: A decade of Zero Accident Forum operations
Continuous and systematic
A hospital goes back to basics
A blast from the past
News

Available at http://www.ttl.fi/partner/nollatapaturmaa/uutislehti/Documents/zaf_newsletter_3_2013_eng.pdf
Effectiveness of the ZA Forum

Decrease of accident frequency is -45.9% from 2008 to 2012

Same workplaces since 2008

<table>
<thead>
<tr>
<th>Year</th>
<th>Average accident rate</th>
<th>% change from 2008</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>28.13</td>
<td></td>
</tr>
<tr>
<td>2009</td>
<td>20.88</td>
<td>-25.8</td>
</tr>
<tr>
<td>2010</td>
<td>20.02</td>
<td>-28.8</td>
</tr>
<tr>
<td>2011</td>
<td>19.59</td>
<td>-30.4</td>
</tr>
<tr>
<td>2012</td>
<td>15.22</td>
<td>-45.9</td>
</tr>
</tbody>
</table>

Number of workplaces N=73

Source:
Safety information system of the Finnish Zero Accident Forum
Finnish Institute of Occupational Health
Zero accident goal is reachable. Accident frequency in a Finnish factory producing construction materials.
Success factors in improving occupational safety (Virta et al 2009)

✓ The top management must genuinely commit themselves to and participate in safety issues.
✓ Accidents as well as dangerous and near miss situations must be registered, investigated and the resulting knowledge utilized.
✓ Even the smallest accidents must be reported.
✓ Communication, flow of information and information systems must be in good condition.
✓ One should always intervene when coming across dangerous or wrong work methods or habits.
✓ Safety training must be arranged for the staff.
✓ Safety inspections must take place in regular intervals.
Statement of the Confederation of Finnish Construction Industries (RT)

Zero work accident is the goal in Finnish construction sites by 2020

Four cornerstones for occupational safety:
1. Investing in occupational safety pays always.
2. Competent client sets the safety goals and creates conditions for safety.
3. "Safety starts from me" – the basic attitude for everyone in construction sites.
4. Training provides the basis for safe working.
EU-PEROSH Safety Culture Group: Expanding the Zero Accident Vision to the European Context - Interlinking Research and Networking (EZAV)

Goal:
- To promote zero accident vision at workplaces
- To exchange European experiences in the topic

Project Leaders:
- Dr. Markku Aaltonen, FIOH (Finland)
- Prof. Gerard Zwetsloot, TNO (The Netherlands)

Partners:
- Prevent (Belgium)
- NRCWE (Denmark)
- CIOP (Poland)
- HSL (UK)
- PEROSH (EU)

Active since 2010
EU-PEROSH Safety Culture Group: Expanding the Zero Accident Vision to the European Context - Interlinking Research and Networking (EZAV)

- The zero accident vision (ZAV) is an important and challenging phenomenon, with a great potential for safety improvement.
- ZAV provides an ethically sustainable basis for accident prevention.
- ZAV is closely associated with business ethics and corporate social responsibility.

**Project status:**

- The Perosh project on "The Success factors for the Implementation of the Zero accidents", financed by DGUV (Germany), was launched in December 2013.
- A 'discussion paper' entitled "The Case for Research on the Zero Accident Vision" to Safety Science has been published.
- See more at: www.perosh.eu
Discussion

The case for research into the zero accident vision

Gerard I.J. M. Zwetsloot, Markku Aaltonen, Jean-Luc Wybo, Jorma Saari, Pete Kines, Rik Op De Beeck

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\(^b\) Finnish Institute of Occupational Health, Finland
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**ARTICLE INFO**

**ABSTRACT**
The case for research into the zero accident vision, SS 58(2013)41–48

Highlights of the article

▶ There is a need for new approaches to attain progress in safety performance.
▶ Increasingly industrial companies have successfully adopted a zero accident vision.
▶ The zero accident vision implies a commitment strategy for safety promotion.
▶ The zero accident vision is based on a belief that all accidents are preventable.
▶ A call is made for research on the impacts and qualities of the zero accident vision.
Zero Accident Network in the Netherlands

- Is established due to good experiences from the Finnish Zero Accident Forum
- Started in 2012, now in the phase that membership is formalised
- Presently more than 40 companies interested in membership
- Many of them operate at the European and/or International level
- Most companies are frontrunners with already good safety performance, but the ambition to further improve
- There is an enthusiastic ‘informal board’ of 7 company representatives
- The website: [www.zeroaccidents.nl](http://www.zeroaccidents.nl)
Zero Accident Forum


Ansprechpartner:
Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA)
Prof. Dr. Dietmar Reinert
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53757 Sankt Augustin

* Teilnehmer der Auftaktveranstaltung (PDF, 22 KB)
Conclusions

• Workplaces should be encouraged to set a goal of 'zero accidents'. Only this vision provides an ethically sustainable basis for accident prevention.
• Safety is a value as such and accident-free workplace should be a human right for every worker. Requirements of safety legislation should be fulfilled.
• Safety culture is part of the company image.
• Good safety is good business.
• A number of good examples already exist.
• Learning, networking and commitment to safety are key factors for success. Social innovations are needed.
• New safety challenges occur when zero goal is approached.
Thank you!

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