ILO/ISSA International Safety and Health Conference, Challenges and Solutions in a Global Economy Global action for prevention Düsseldorf, Germany, 28-29 October 2015

Beyond Gold – Best practices during the construction of the London Olympics sites

From “beyond gold” to “Vision Zero”
ISSA Construction Section

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www.issa.int
Going beyond gold : the approach

- Awards of the British Safety Council (ISSA member) during the construction of the London 2012 Olympics

- A policy of zero tolerance towards unsafe practices and unhealthy conditions

- With the aim of no more than one reportable accident for every million hours worked
Going beyond gold: results

- Workforce involvement in campaigns and tools for measuring their impact

- Safety behavioural training programs...

- In September 2011:
  - Around 35,000 workers
  - 66 million hours worked
  - 109 reportable injuries
  - No work-related fatalities
The life cycles in the construction industry

The life cycles of the construction phases:

- Construction
- Usage
- Renovation
- Demolition

The designer must analyze the entire life cycle of the construction joined by concerns of sustainable development studying construction materials and their life cycles.
Principles of the Declaration of Boston

- Active dedication to sustainable work and development by the owner/client;
- Careful attention to safety, health and environment during the design, planning, procurement;
- Strong integration of safety and health staff in all aspects of the construction process;
- Recognition and accommodation of a multi-cultural workforce;
- Mandatory safety and health leadership training for all supervisors, and mandatory safety and health training for all workers;
- Empowerment of all workers to implement safety and health at work, including strong support for young and vulnerable workers;
- Involvement of the controller in all aspects of the planning and construction phases, and the extensive use of a safety approach to prevent risks;
- Continuous monitoring and recordkeeping of safety and health performance measures, including hazardous occurrences, injuries and illnesses, and taking corrective actions immediately when indicated.
From Going beyond gold to Vision Zero

- Declaration of Boston as base for Vision Zero implementation
- From « Beyond gold » to the 7 golden rules
- Vision Zero in Construction Industry (SME’s, stakeholders)
- Promotion of a real culture of prevention
Integration of ‘OSH’ during the whole life cycle of a construction project

<table>
<thead>
<tr>
<th>Life Cycle Stage</th>
<th>Part of total cost (%)</th>
<th>Source of accidents (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>2</td>
<td>40</td>
</tr>
<tr>
<td>Construction</td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>Operations and Maintenance</td>
<td>75</td>
<td>60</td>
</tr>
</tbody>
</table>

Source: ISSA-C
Principal Stakeholders for prevention of accidents and occupational diseases in construction

- Client / owner
- Designers
- Contractors
- Workforce
- OSH-experts
- Labor inspectorate
- Organization of work on prevention of occupational accidents or diseases
- …

*Prevention is teamwork*
Vision Zero: the 7 golden rules for a safer construction project

1. Risks evaluation
   - Eliminate Main risks on the construction sector
   - Evaluate risks, take or respect prevention measure according to international norms and ILO standards

2. Integration of prevention in the design phase
   - Integration of prevention in the design phase.
   - Safety plan for every project
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3. Safety management system
   ▪ for all construction projects

4. Participation of the workers
   ▪ Workers and their representatives must be associated to decision-making

5. Training
   ▪ Adequate health and safety training
   ▪ New workers on construction sites must be trained
   ▪ Special meeting to explain organization and rules
Vision Zero: the 7 golden rules for a safer construction project

6. Safety meeting
   - Safety should be an integral part of any meetings

7. Communication
   - Recording of all accidents, incidents, near miss or risk
   - Effective communication up, down and across the organization.
THANK YOU FOR YOUR ATTENTION