



FIG WORKING WEEK 2012
May 6–10 2012
Rome, Italy

DESIGN FOR SAFETY:

PROTECTION OF HEALTH AND REDUCTION
OF SOCIAL COSTS, SIMPLIFICATION OF MANAGEMENT
OF WORKS AND MAINTENANCE SAVINGS.

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Design for safety means:

- Identifying the dangers and assessing the risks by careful analysis.
- Implementing the works by safeguarding the health and safety of the workers, during both the construction and maintenance of the works.

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The most important tools are:

➤ **The works dossier:**
 It is a booklet for the use and maintenance of the works.
 (article 91 of DLGS 81/2008)

➤ **The maintenance plans:**
 For public works.
 (article 38 of DPR 207/2010)




Both of these legislations derive from the implementation of the EU Directives 92/57/EEC, 2004/17/EC and 2004/18/EC.

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The works dossier

It is prepared during the design phase and is updated during the construction phase, and it contains:

- Procedure for description of the works and identification of the parties involved.
- Identification of the risks, and the preventive and protective measures provided by the works and the auxiliary ones.
- Details for definition of the references of the existing supporting documentation.




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Same instructions for the client at the end of the works:

- It will be made available to the maintenance technicians before they start the works.
- The safety details for access to the workplace.
- It must be checked the technical suitability of the firm to which the works are awarded.
- The Dossier will be delivered to the safety coordinator who will assess the contents and carry out the updating.
- He must carry out any modifications made to the building, the structure, any safety devices and the installations.
- The Dossier must be kept for the entire service life of the property and must be transferred if the property is sold.


Collective protection:


Parapets →

Walk ways →

Permanent safety fences →

Isolation and marking of non-accessible parts. →






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The works dossier

The maintenance plans

These tools are closely related



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Facilitate the maintainer means:

In new buildings:
 During the construction insert elements that allow the maintainer to be safe.

In existing buildings:
 Encourage the construction of these life-saving elements.



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The maintenance plans



Indoor



Outdoor




In the roof





It is the most important management tool of the maintenance activities.


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Case study regarding an important project plant before and carried out after the legislation was approved.

<p>Whitout protection</p> 	<p>Whit protection</p> 
<p>Whitout stairs</p> 	<p>Whit stairs</p> 

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