



# Secure with Steel Network

The support of an international network of Structural Fire Safety Engineering



## Our objective:

Making a real step forward in building design through the development of Structural Fire Safety Engineering (SFSE), and getting this innovative and cost-effective safety design method to be fully integrated in the construction environment.

Secure with Steel is dedicated to engineering offices who wish to develop in structural fire design. The aim of this network, which was built up by ArcelorMittal, is to create a worldwide core of SFSE specialists and to support them in the development of their competencies through experience sharing, know-how transfer and trainings.

Secure with Steel offers engineering offices not only the support of an international network of engineering offices (for experience sharing,

case studies, etc.) but also the support of local SFSE specialists (technical centres, research centres and universities) and ArcelorMittal in terms of technical assistance and trainings.

## Performance of the network:

From a practical point of view, this network consists in:

- An annual meeting, during which case studies based on real projects are presented by members. The projects are analyzed as a whole: legal procedures, fire scenarios, fire development and temperature field calculations, structural response, etc.

- Training organized by ArcelorMittal: basics on fire safety, training on fire development calculation software (GiD-SAFIR, FDS-Smokeview),

training given by some expert members.

- Information : twice a year ArcelorMittal informs the members about interesting news (results of European research RFCS, PhD theses, TC3 of CECEM, new version or update of regulations, new version of Eurocodes, software updates, invitation to fire tests, steel website...) and also about the latest developments and best practices. SECURE with Steel aims only at encouraging networking, information sharing and learning about SFSE. It is free and implies no exclusivity or obligation. ArcelorMittal cannot be held responsible for the calculations or projects realized by the members.

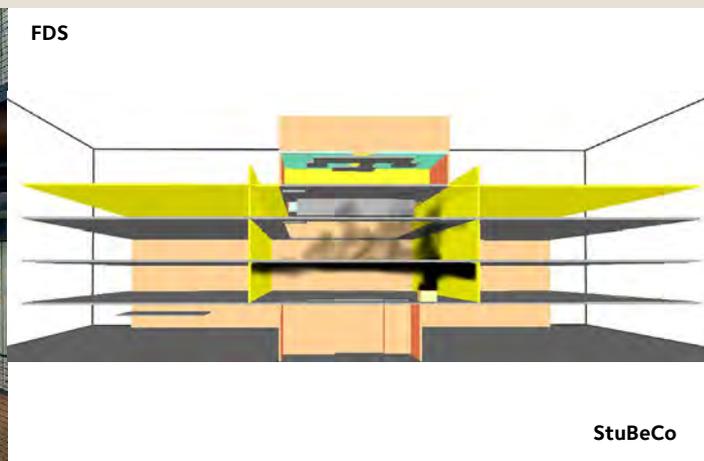
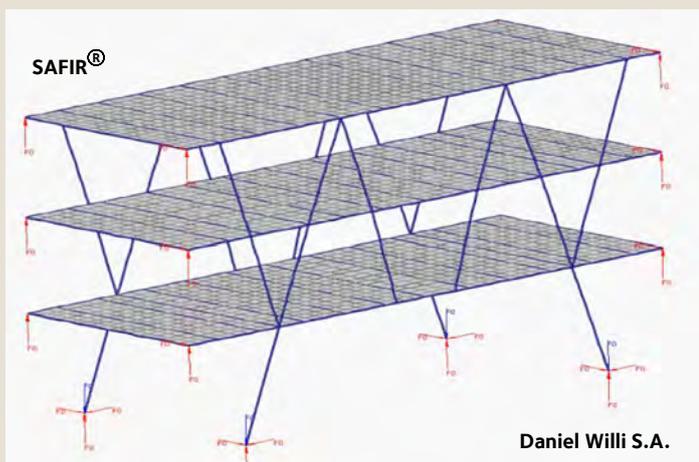
- Technical advisory: in addition to these organized activities, free technical assistance is proposed to the members to optimize the use of our products in projects where fire resistance requirements must be fulfilled.

Secure with Steel network includes a large amount of partners throughout Europe :





MP ingénieurs conseils S.A. & Eric Tonicello



<http://sections.arcelormittal.com/network/partnerships/fire-safety-engineering.html>

### Activities already foreseen in 2016 :

- **April** : 4-days Training session (SAFIR Level 2/4 – 1 day, FDS for beginners – 2 days, SAFIR Level 4/4 = Link FDS-SAFIR – 1 day)
- **June** : Participation to Structures in Fire'16 Conference
- **November** : 2-days Training session (SAFIR Level 1/4 - 1 day, SAFIR Level 3/4 - 1 day) + Annual Meeting (1 day)

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