

# Sébastien Brun

Steel Construction Engineer



## Profile

52 years old  
Seniority : 7 years, associate  
English

Steel construction

Composite Steel & Concrete  
structures

Strength of Materials

Steel roof coverings and wall  
sheeting

Lifting and handling

Member of APK, Association for the Promotion of "Steel Construction Teaching"

## Education

### Postgraduate certificate DESS Building and Methods

Centre des Hautes Etudes du Métal (CHEM)

### DEST Civil Engineering

Conservatoire National des Arts et Métiers (CNAM)

### BTS Steel Structures

Brétigny sur Orge

## Professional background

### Castet et Fromaget Fayat Group

**Design Engineer – Major Project Manager – Technical Manager**

- Airplane Hangar Airbus
- Architectural structure with wide-span and cantilever
- Reconstruction in steel of one terminal's pier
- Footbridges with wide-span and vibration dampers
- Steel structure of one stadium for Euro 2016
- Composite structures steel/concrete of high-rise building
- Road bridge with double composite beams under the deck

### Ingerop

**Department of Steel Structures and Mechanical – Design Engineer**

- Industrial buildings for automotive
- Rugby stadium
- Museum

# Sébastien Brun

Steel Construction Engineer

---

## Key areas of expertise

---

### Structural Steelwork

- Flat roof structure collapses under rainwater accumulation loads
- Collapse of a building after rehabilitation works
- Damages during construction due to errors in the process
- Various defects on overhead cranes supporting structures
- Defects of grains silos
- Structural steel construction companies claims against their engineering consultants
- Damages related to errors in structural calculation
- Damages on complex structure of one steel monumental staircase

### Roofing and Cladding

- Tearing of a canvas due to effects of snow
- Defects on thermal insulation of roofing

### Civil Engineering

- Damages of mobile footbridge (lifting bridges)