

# Civil & Industry





# Passionate about steel

## 3 markets

Civil & Industry  
Offshore Oil & Gas  
Offshore Wind

## KEY FIGURES\*

**442 million €**

turnover

**1,036**

employees

**5**

subsidiaries in Europe

\* 31/12/2019

Smulders is an international steel construction company with more than 1,000 employees working across different locations in Belgium, the United Kingdom and Poland. We are a sound and flexible business partner, offering more than 50 years experience in the engineering, construction, supply and assembly of steel constructions.

The world-wide realisation of heavy, technical complex and/or architectural steel constructions demands a special approach, an approach which Smulders has mastered. Designs can be complex, with extensive requirements and our projects are often large scale and multi-faceted. In short, technically challenging projects where Smulders thrives.

Through internationally gained experience in several sectors, Smulders has mastered all facets of steel construction. The impressive list of references supports this. No architectural building is too complex, no bridge too far, no (petro) chemical installation too large and no power plant too difficult. But smaller projects are no problem either; the short lines within the project driven organisation make anything possible.

All aspects of the production process are managed in-house and divided amongst different production facilities Belgium (Arendonk, Balen & Hoboken), Poland (Zary) and the United Kingdom (Newcastle upon Tyne).

This ensures a time and cost-efficient process under safe working conditions and guarantees that the high quality and environmental standards are being met.

# A responsible player

## Health, safety & environment

Smulders requires that health, safety and environment meet the highest standards. For this reason our activities are based on carefully documented working methods; we perform risk analyses on an ongoing basis and we keep records of all the production phases in our projects.

Smulders is fully aware that its passion for steel can only grow in a safe and eco-friendly environment. We want to make a strong contribution to such an environment, not only through our activities in the area of renewable energy, but also through ensuring our companies operate in a safe and sustainable manner – always and everywhere.

## Sustainability

For many years Smulders has been dedicated in its responsibility to the environment and social commitment. Since our early days we have fostered a spirit of collaboration, cooperating with local schools and supporting community projects. In recent years, this dedication has evolved and is now embedded in our culture and behaviours. A corporate policy, with long term targets and commitments has been established, as we strive to lower our carbon footprint and play our part in achieving the UN Sustainable Development Goals.

## Quality

Quality is assured at each stage of our project delivery process, by following a rigid set of procedures under the supervision of our project managers, quality departments, welding engineers, technology engineers and, where required, appointed independent third parties.

We safeguard and ensure that all our welding and general construction activities are carried out to the applicable standards and to the required certification. Surface treatment is applied according to the set requirements and Smulders invests in the latest technology for environmentally friendly application of high-quality paint systems, designed for long-life function and operation.

**The Smulders' facilities are certified according to ISO 9001 (quality), ISO 14001 (environment), OHSAS 18001 (safety), VCA P, VCA\*\* (Spomasz), ISO 50001 (Spomasz), EN1090 EXC 4, EN ISO 3834-2, CO<sub>2</sub> Performance Ladder level 5, Safety Culture Ladder level 3 and Achilles.**



# Architectural constructions

When it comes to eye-catching architectural and high-rise steel constructions, Smulders has built a nice track record throughout the years. Because it often concerns buildings that are based on a complex design, Smulders is very conscious of the necessity to think along with the architect when it comes to offering technical solutions.

In such cases, Smulders always stretches the envelope in aiming to realise the design, no matter how complex.

Due to the presence of the necessary expertise within the engineering department, Smulders is able to make a good translation from the concept design into a technically producible, economically justifiable and reliable steel construction.

## 01 Central Station Rotterdam

Construction of a new terminal in Rotterdam, the Netherlands  
**Client:** Gemeentewerken Rotterdam  
**Weight:** 3,450 tons steel



## 02 Aspire tower

Construction of the facade structure for a 300-meter-tall skyscraper in Doha, Qatar  
**Client:** Besix  
**Weight:** 2,400 tons steel



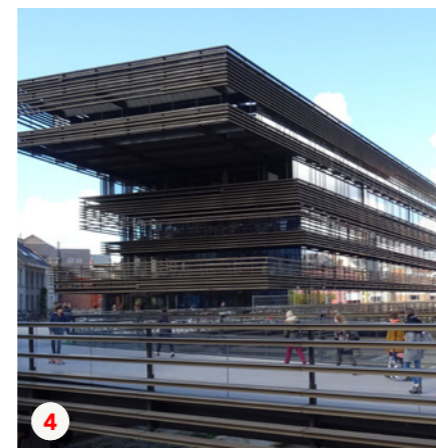
## 03 Tour D2

Steel construction of a new office building in Paris, France  
**Client:** GTM Bâtiment  
**Weight:** 4,750 tons steel



## 04 De Krook

Steel construction of the new library De Krook in Ghent, Belgium.  
**Client:** Antwerpse Bouwwerken  
**Weight:** 2,000 tons steel



# Bridges

Whether it's an artistic, complex or functional bridge design, Smulders has made them all already and will never refuse a new challenge.

Besides constructing and producing new bridges, pontoons and similar steel constructions, we also renovate existing bridges in order to extend their lifetime.

Furthermore, bridges are also leased. These temporary bridges are quickly (dis-)assembled, are transportable and can often provide a quick solution for road work.

Installing a bridge within one night or a weekend is not unfamiliar for Smulders. This is made possible by flexible project management and having the right facilities and manpower.

## 01 Theemsweg route

Construction of a steel arched bridge for the Rozenburg lock in Rotterdam, the Netherlands  
**Client:** SaVe  
**Weight:** 5,000 tons steel



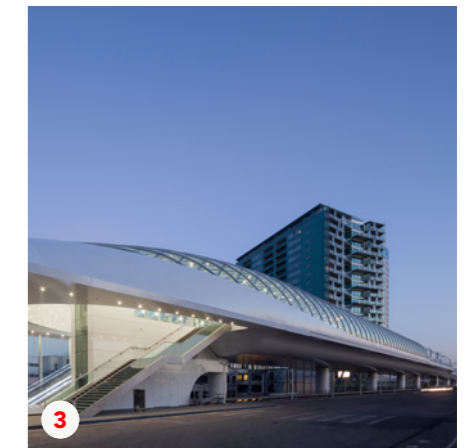
## 02 Cycling through the trees

Engineering and construction of a unique bicycle bridge, built between the pines in Hechtel-Eksel, Belgium  
**Client:** Toerisme Limburg  
**Weight:** 450 tons steel



## 03 Departure Station Erasmusline

Engineering and construction of a viaduct in The Hague, the Netherlands  
**Client:** BAM  
**Weight:** 2,500 tons steel



## 04 Bicycle bridge

Engineering and construction of a bicycle bridge in Herentals, Belgium  
**Client:** Province of Antwerp  
**Weight:** 265 tons steel



# Renovation

Temporary shutdowns of factories, exhibition halls, buildings,... because of renovation activities can be very costly and demand a permanent occupation for the renovation activities during this 'stand still'. Working outside of normal production hours in such cases is not a problem for Smulders.

The different production phases are well divided and, through tight planning, steel constructions or crane gantries can be responsibly and quickly replaced or renovated.

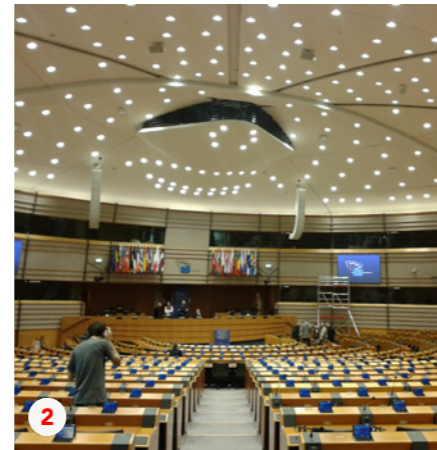
01

## Atomium

Renovation of the steel structures of the Atomium in Brussels, Belgium

**Client:** Et. Jacques Delens

**Weight:** 30 tons steel



02

## European Parliament

Renovation and reinforcement of the roof structures of the European Parliament in Brussels, Belgium

**Client:** European Parliament

**Weight:** 70 tons steel

03

## Ahoy

Construction and assembly of a new roof on Ahoy Rotterdam in Rotterdam, the Netherlands

**Client:** OBR - Ontwikkelingsbedrijf Rotterdam

**Weight:** 1,500 tons steel



# Industrial constructions

The industrial constructions product group is the result of the experience gained in the (petro) chemical sector and has formed itself into a core business for designing and producing (petro) chemical installations, conventional (classic) and nuclear power plants, cranes and other heavy industrial constructions.

Due to the extensive experience gained throughout the years, Smulders has a global leading position when it comes to creating constructive solutions for very complex problems and offering guaranteed quality, in accordance with the most recent standards and safety requirements.

01

## High Pressure Hydrotreater

Construction of petrochemical structures in Antwerp, Belgium

**Client:** Esso Belgium

**Weight:** 1,100 tons steel



02

## RDK 8

Construction of a main structure for a boiler, bunker and boiler house in Karlsruhe, Germany

**Client:** Alstom Power System

**Weight:** 16,500 tons steel

03

## Expansion Holland Malt

Construction of a malting plant in Eemshaven, the Netherlands

**Client:** Holland Malt

**Weight:** 3,500 tons steel

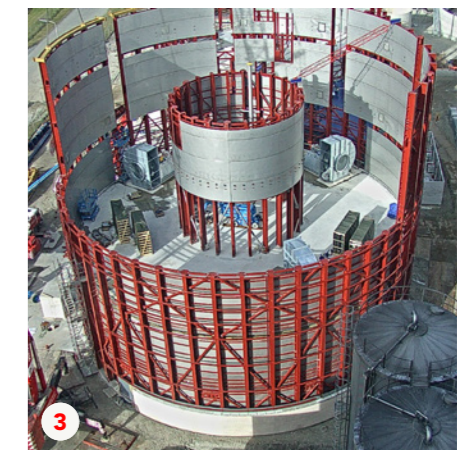
04

## JBF Global

Construction of various steel structures for a petrochemical plant in Geel, Belgium

**Client:** JBF Global Europe

**Weight:** 3,200 tons steel



# Know-How

## Engineering

An important and key component of Smulders is its large in-house engineering department. Experienced engineers take care of the design and assessment of the desired components, according to the required standards and quality demands. The engineering department includes over 30 highly qualified structural and stability engineers and over 55 draftsmen, located across our various facilities in Arendonk, Balen, Lowesoft (UK) and Bangalore (India). All necessary engineering documents and detailed drawings can therefore be delivered in-house, without the reliance on external consultants. Our acquired engineering knowledge allows us a significant head-start in efficiency, taking the practical execution into account from the very start, as well as the possibilities and restrictions of the logistical process.

## Surface treatment

Surface treatment is considered a critical process in the fabrication of steel structures and as such, Smulders has continuously invested in the right people and facilities. All surface treatments are performed by our own staff within our own facilities, ensuring that everything meets the required standards. Most of our production facilities have their own shot-blasting cabins and a paint spray hall, where the capacity can be adapted and attuned to meet both market demand and product portfolio.

## Logistics

Our Arendonk facility nearby the highway is ideally located for road transportation of large and heavy components of up to 130 tonnes. Our facility in Balen offers load-out directly onto the Dessel-Kwaadmechelen canal, providing transportation of even larger components via the connecting waterways.

At our yards in Hoboken and Newcastle upon Tyne, steel constructions of exceptional size and weight ranges can be transported to a global client base, thanks to the direct sea access from the Ports of Antwerp and Tyne.

## Assembly

The welders and technicians are used to executing their work under extreme circumstances. This regularly involves working at great heights. It goes without saying that the safety of our employees can never be compromised, which is why Smulders always prefers to be safe rather than sorry and continuously invests in safety measures and material. Therefore, all required safety statistics are in place. The whole policy is aimed at obtaining, retaining and observing them. Every employee is VCA certified, experienced and well trained.



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