ArcelorMittal Sheet Piling

ArcelorMittal

Think steel first!

Project development is now as easy as making coffee.

The construction of ports, waterways, dykes and bridges with durable steel sheet piling solutions from ArcelorMittal secures the delivery of global goods right to your doorstep.

Smart reasons to think steel first: Easy. Fast. Long lasting. Sustainable.

Steel is essential to modern construction. Strong, flexible, adaptable, reuseable and entirely recyclable, steel is the material of choice for sustainable solutions in today's economy.

Choosing ArcelorMittal steel solutions ensures a successful outcome of your ideas. Our professional teams support your projects from start to finish, committed to deliver reliable and efficient solutions.

Water Transport Solutions

Breakwaters, quay walls, dolphins, locks, canals, land reclamation ...

Hazard Protection Solutions

Dykes, dams, river embankments, flood protection barriers, tidal defences, reservoirs ...

Mobility Infrastructure Solutions

Rail and road bridge abutments, tunnels, underpasses, noise barriers, foundations and underground car parks ...

Environmental Protection Solutions

Containment structures, water management, polluted soil remediation, landfill redeployment ...

Water
Transport
Solutions

Water transport is essential to our global economy

Maritime and fluvial transport requires a safe and reliable infrastructure network.

For over a hundred years, steel sheet piling products have been chosen to build all kinds of maritime infrastructures such as breakwaters, quay walls, canals and locks. Steel sheet piling solutions are durable, fast to execute and require low maintenance though their life span.

Our engineering and R&D teams continuously develop our design software and construction methodologies, in collaboration with research institutions and consultants.

Unique solutions like the HZ®-M combined wall systems and the AS 500® circular cells, allow for the construction of deep ports and can drastically reduce the life-time cost of the project.

Facts and figures

- Using **steel sheet piles** in deep maritime infrastructures **can save up to 50%** of the total cost over the port's life time
- Choose **AMLoCor® corrosion-resistant** steel grades for long-lasting infrastructures
- Highly sustainable solutions: made from **100% recycled steel and 100% recyclable,** covered by an Environmental Product Declaration

Port of Køge, Denmark

The port's extension doubled its size using AMLoCor® sheet piles. AMLoCor® corrosion resistant steel grades ensure long lasting maritime infrastructures.

Hazard Protection Solutions

Keeping us safe with steel sheet piling solutions

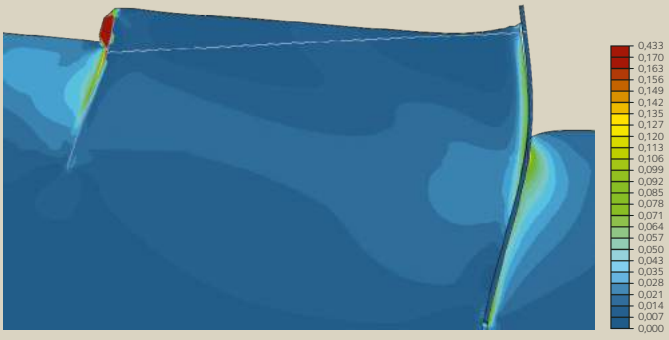
Steel sheet piles help safeguarding our communities from natural disasters.

Dykes and flood protection barriers made from steel sheet piles are one of the most efficient ways to protect against flooding and rising sea levels.

Requiring little equipment, they can be easily installed even in remote locations, anywhere in the world.

With arising performance-based design methodologies, steel sheet piling solutions in seismic areas can unfold their true potential to withstand earthquakes.

Simulation of a seismic loading



PLAXIS software

Facts and figures

- **Short installation times** with **AZ®-800,** the widest sheet piles on the market
- **Steel's natural ductibility** makes sheet piling the safest choice for retaining walls in seismic areas
- **Adjusted delivery plans** align with demanding project schedules with the support of ArcelorMittal's logistics teams

Flood defence, Littlehampton

The HZ®-M combined wall system was found to be the most economic and the best technical solution to improve the tidal flood defences in Littlehampton, on the South Coast of England.

Mobility is essential to our daily life

Efficient and reliable mobility infrastructures make your journey smoother and safer.

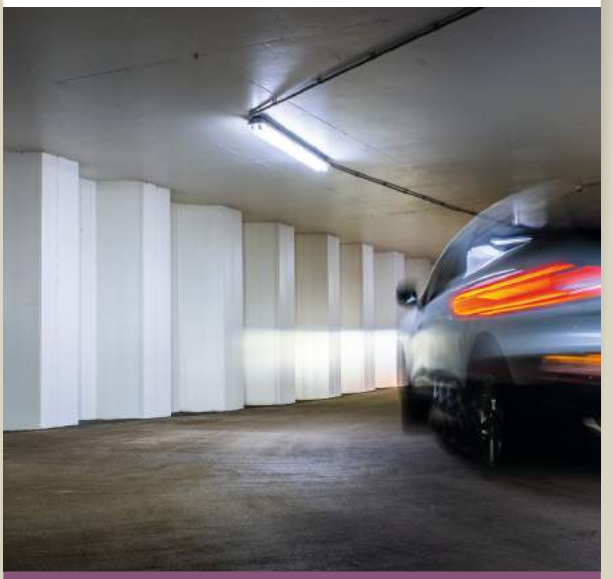
The unique properties of steel sheet piles make them an excellent option for building road and railway infrastructures such as bridges, underpasses, underground car parks, retaining walls or noise barriers.

With short installation times and efficient driving techniques, projects are delivered faster, saving costs and minimising the impact on the community. Sheet piles can be installed in complex configurations that fit in dense urban areas.

Our technical departments support project developers and engineers in selecting and designing the optimal steel solution.

Facts and figures

- Proven sheet pile installation techniques allow for **noise-less & vibration-less** jobsites
- Building bridge abutments with steel sheet piles reduces the traffic disturbance thanks to **10% faster construction time.** It also allows to achieve **15% cost savings** over the entire lifetime of the structure
- **Building Information Models (BIM)** digital files are available for ArcelorMittal sheet piles



Underground car park, Aalst

The steel sheet piles which were first used to excavate the construction site, are now serving as the outer walls of the car park. They were installed with vibration-less techniques to preserve the surrounding city centre.

Environmental Protection Solutions

Steel helps to protect our future

Steel is a permanent material: never consumed, but continuously transformed and reused, thus reducing the pressure on limited natural resources.

When faced with pollution, containment is vital. Steel sheet piles are used on a temporary and permanent basis in landfill deployment, soil remediation, riverbed cleaning operations or pollution containment.

Impervious enclosures can be created with steel sheet piles, to safely retain contaminated material and devise a remediation plan. ArcelorMittal's wide range of sealing solutions ensure complete water-tightness, even in presence of highly aggressive chemicals.

Steel sheet piles are a major contributor to the circular economy. They are reusable and 100% recyclable. Most of ArcelorMittal sheet piles are produced from 100% recycled steel.

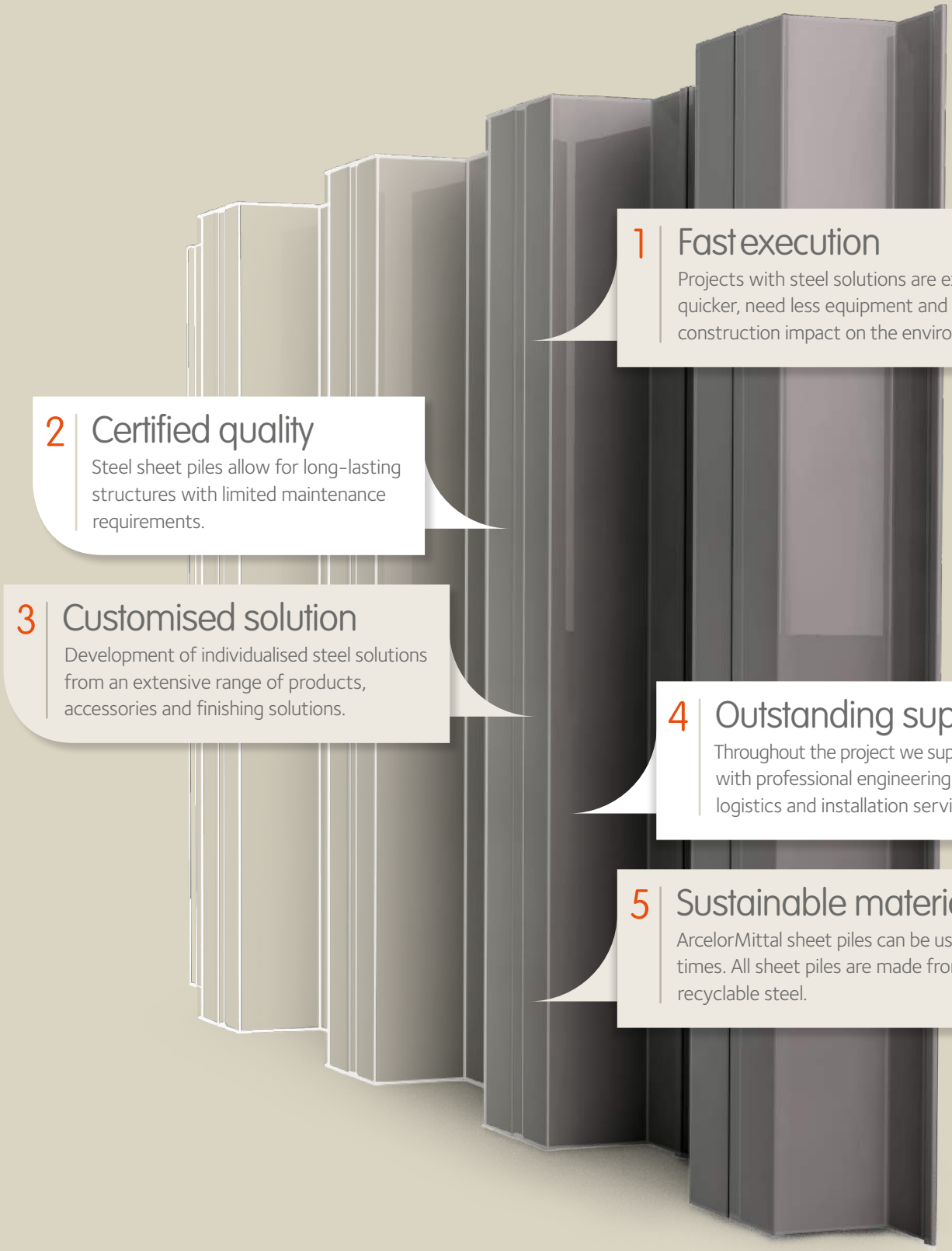
Facts and figures

- **AKILA®** is an environmental-friendly sealant suitable for contact with **drinking water**
- Steel sheet piles are **reusable several times** to save cost, time and **reduce the logistics impact**
- **Customised finishings** and assembling solutions can be devised

Water treatment plant, Paris

To protect the water treatment plant near Paris, a 300,000 m³ retention basin was built using steel sheet piles, specifically designed to preserve the nearby forest.

5 reasons to think steel first!



1 Fast execution

Projects with steel solutions are executed a lot quicker, need less equipment and reduce the construction impact on the environment.

2 Certified quality

Steel sheet piles allow for long-lasting structures with limited maintenance requirements.

3 Customised solution

Development of individualised steel solutions from an extensive range of products, accessories and finishing solutions.

4 Outstanding support

Throughout the project we support our clients with professional engineering, customisation, logistics and installation services.

5 Sustainable material

ArcelorMittal sheet piles can be used multiple times. All sheet piles are made from 100% recyclable steel.

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