



Mitigate climate risks with steel solutions



US\$317bn damages




Estimated worldwide losses in 2024 due to natural disasters according to Munich RE *



Climate change impacts are already here

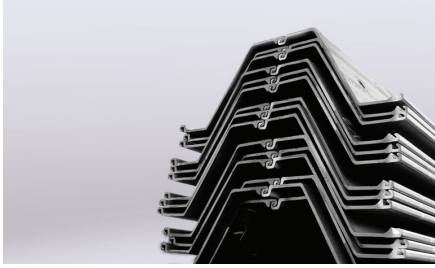
- Worldwide:** 1.36 billion people exposed to flood in 2024.
- Germany:** July 2021 floods in Ahrtal caused 196 life losses after 182 mm of rain in 72 hours.
- Netherlands:** Floods in Valkenburg caused \$470 million in property damage in July 2021.
- Poland:** September 2024, torrential rains led to the overflow of rivers, inundating 3 towns and surrounding area.
- Spain:** Storm Dana in 2024 caused 232 fatalities, while damages are estimated to be over €50 bn.
- Italy:** By 2080, 4,500 km² of coastal land at risk of flooding.
- France:** Languedoc-Roussillon region faces €35 billion in damage by 2100; 125,000 homes threatened.

Climate adaptation: a smart investment for insurers

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|  Government and Regulatory Compliance | Encouraging protective measures aligns with government incentives and regulatory expectations for disaster preparedness. |
|  Reputation and Corporate Social Responsibility | Insurers can position themselves as leaders in sustainability and climate resilience. |
|  Competitive Advantages | Offering insurance policies covering protective infrastructure can attract new customers. |
|  Cost Savings Over Time | Reinforcing vulnerable areas lowers future claims potential and strengthens resilience. |
|  Lower Claim Volumes | Fewer damages mean reduced insurance payouts and better profitability. |
|  Risk Reduction Strategies | Proactive involvement in disaster mitigation minimizes catastrophic losses and stabilizes financial forecasts. |

* Source: Climate change is showing its claws: The world is getting hotter, resulting in severe hurricanes, thunderstorms and floods | Munich Re.

Steel sheet piles can save lives and prevent damages



Hot rolled sections of sheet materials ...

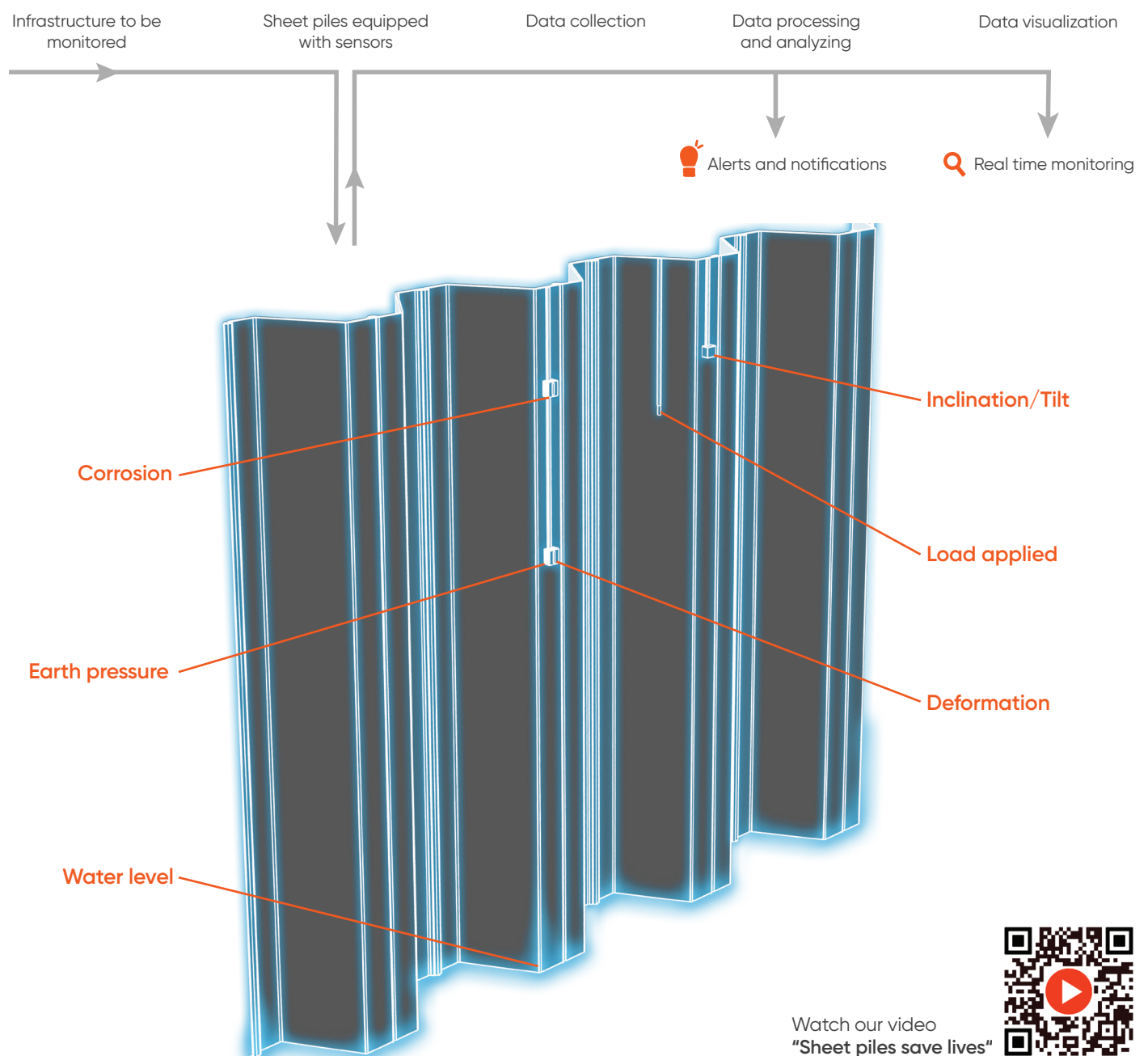


... with interlocking edges ...



... to provide water containment, earth retention and excavation support.

Driving Innovation: SmartSheetPile



Watch our video
"Sheet piles save lives"



Smart, resilient and sustainable steel sheet piles for climate resilience



Time and cost efficiency

Prefabricated sheet piles offer consistent quality. They enable fast construction with minimal preparation and equipment.



Low-noise

Convenient for urban areas using low-noise and low-vibration piling equipment for less disturbance during installation.



Durability

Sheet piles have a long design life of more than 100+ years, protecting communities for current and future generations.



Available space

Cantilever floodwalls are a suitable design choice in urban areas with limited space. Modern installation methods require little footprint.



Seismic design

Adequate for use in seismic areas thanks to the intrinsic properties of steel (ductility and flexibility: lighter structures have lower inertia).



Sustainability

Reduce-Reuse-Recycle: reduce the carbon footprint with low-emission steel and reuse sheet piles up to 10 times. Steel is 100% recyclable.

XCarb®
Recycled and renewably
produced

EcoSheetPile™ Plus

The opinions of insurers

«Every \$1 invested in adaptation could result in \$2-\$10 in net economic benefits. Adaptation actions, done right, are some of the most cost-effective investments a country, city, or company can make.»

In "COP26 Climate Brief", World Bank, citing: Global Commission on Adaptation. 2019. "Adapt Now: A Global Call for Leadership on Climate Resilience." Rotterdam and Washington, DC: Global Center on Adaptation and World Resources Institute.

«Since the devastating storms of 1953, when water levels rose by 5m in some areas and more than 1800 perished, dikes in vulnerable areas such as Zeeland have doubled in height. With sea level rise in the Netherlands estimated at 40-100cm by 2100, the reinforcement goes on.»

In "Can the Netherlands save itself from rising water levels?" - DutchNews.nl.

«Every €1 invested in prevention and resilience saves between €5 and €7 in repairing damage.»

In 7th climate Survey 2024-2025, European Investment Bank.

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