

The background of the image is a dark, semi-transparent overlay of industrial equipment. On the left, a yellow valve with a large handwheel is visible. On the right, a grey valve with a smaller handwheel is shown, featuring a thick, grey, textured insulation jacket. The overall scene is dimly lit, emphasizing the textures and colors of the machinery.

INSPRO

Your Partner For Insulation Technology

Our Facility

We manufacture high-quality insulation jackets and fabric compensators as part of our industrial insulation solutions in our modern facility with 2,000 m² of enclosed production space. With an engineering-focused design approach, advanced manufacturing techniques, and a team of field experts, we deliver long-lasting solutions that enhance energy efficiency and prioritize safety. Our products, developed specifically to meet the needs of various industries, improve process efficiency while also optimizing operational costs.

Engineering Design

At INSPRO, we approach every insulation solution with a customer-specific engineering perspective. Our design process is grounded in the goals of efficiency, safety, and sustainability. Each project begins with a detailed analysis of the facility's process conditions and equipment structures.

At INSPRO, we approach every insulation solution with a customer-specific engineering mindset. Our design process is built on the core principles of efficiency, safety, and sustainability. Each project begins with a thorough analysis of the facility's process conditions and equipment structures. Every insulation jacket or compensator is simulated using CAD-supported drawings before production and presented to the customer for approval. This ensures that our products arrive on site ready for direct installation, minimizing the margin of error.



Insulation Jackets

In industrial facilities, heat loss from pipes, valves, flanges, and equipment surfaces not only reduces energy efficiency but also poses a risk to personnel safety. This is where insulation jackets come into play custom-designed, removable, and reusable insulation solutions developed to improve workplace safety while providing significant energy savings.

A yellow engine is shown with a white, quilted exhaust insulation jacket covering the exhaust pipes. To the right of the engine is a yellow control panel with a digital display, several buttons, and a red emergency stop button. The background is dark, suggesting an indoor industrial setting.

Exhaust Insulation Jackets

Exhaust insulation jackets are removable and re-installable thermal insulation systems used to control the high temperatures generated in the exhaust lines of equipment such as engines and generators.

Insulation Jackets for SCR Systems

Selective Catalytic Reduction (SCR) systems must operate at high temperatures to effectively reduce NOx emissions. Maintaining this temperature is critical not only for system efficiency but also for environmental and operational safety. This is where specially designed insulation jackets come into play, ensuring optimal thermal performance and protection.



Insulation Jackets for Superyachts Exhaust and Silencer

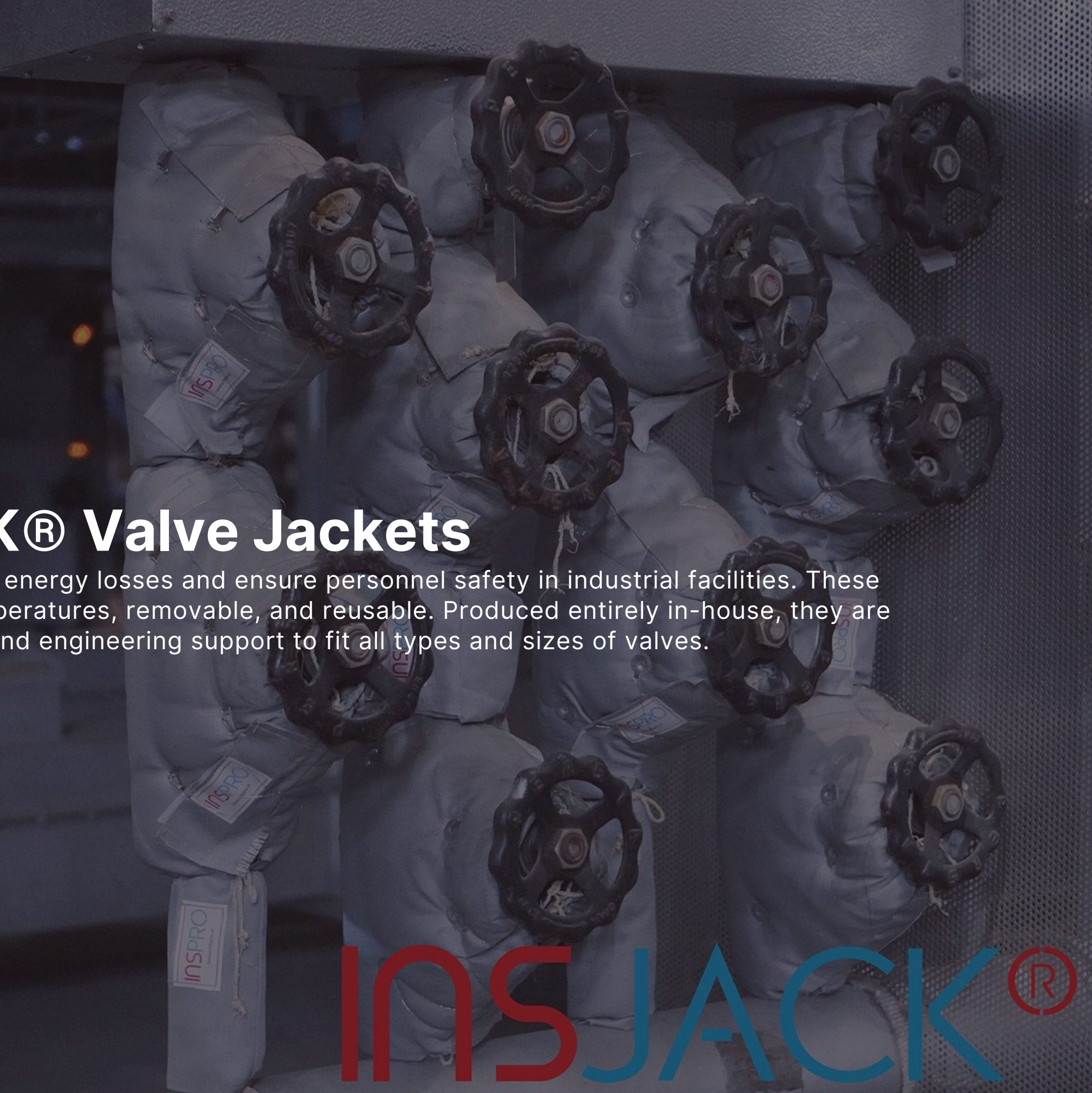
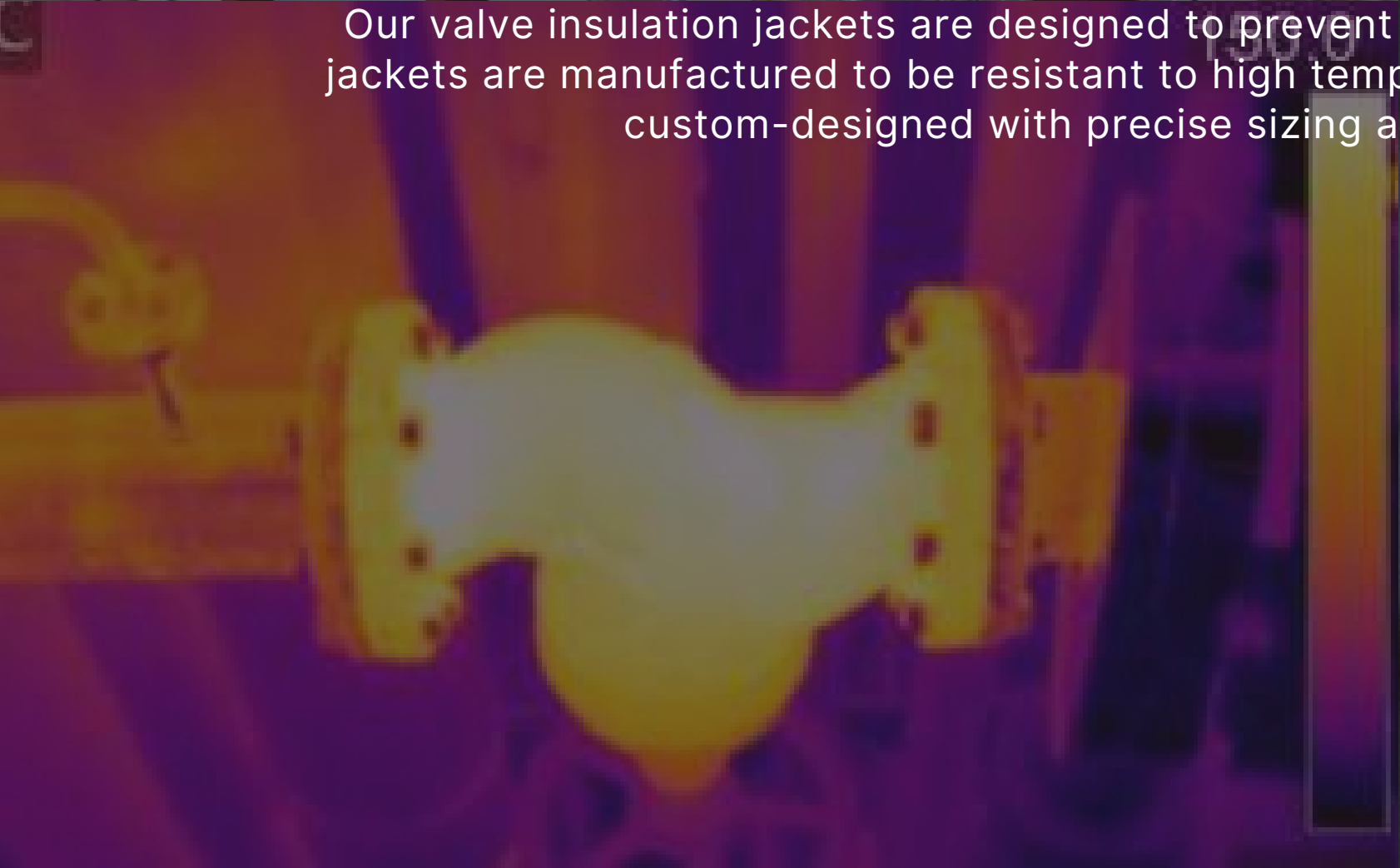
Designed to meet the specific needs of the luxury yacht industry, our high-performance insulation jackets ensure maximum heat control and safety in superyacht exhaust systems. Manufactured using high-temperature resistant, flame-retardant materials that comply with marine standards, our jackets enhance crew safety and extend the lifespan of engine room components. With custom-made sizing and easy installation and removal features, we are the trusted insulation partner of the superyacht industry.

We design our insulation solutions for all exhaust components in engine rooms by working directly from detailed 3D models, following a zero-defect production policy. This allows us to deliver perfectly fitted and long-lasting insulation jackets that enhance both performance and safety standards on superyachts.



INSJACK® Valve Jackets

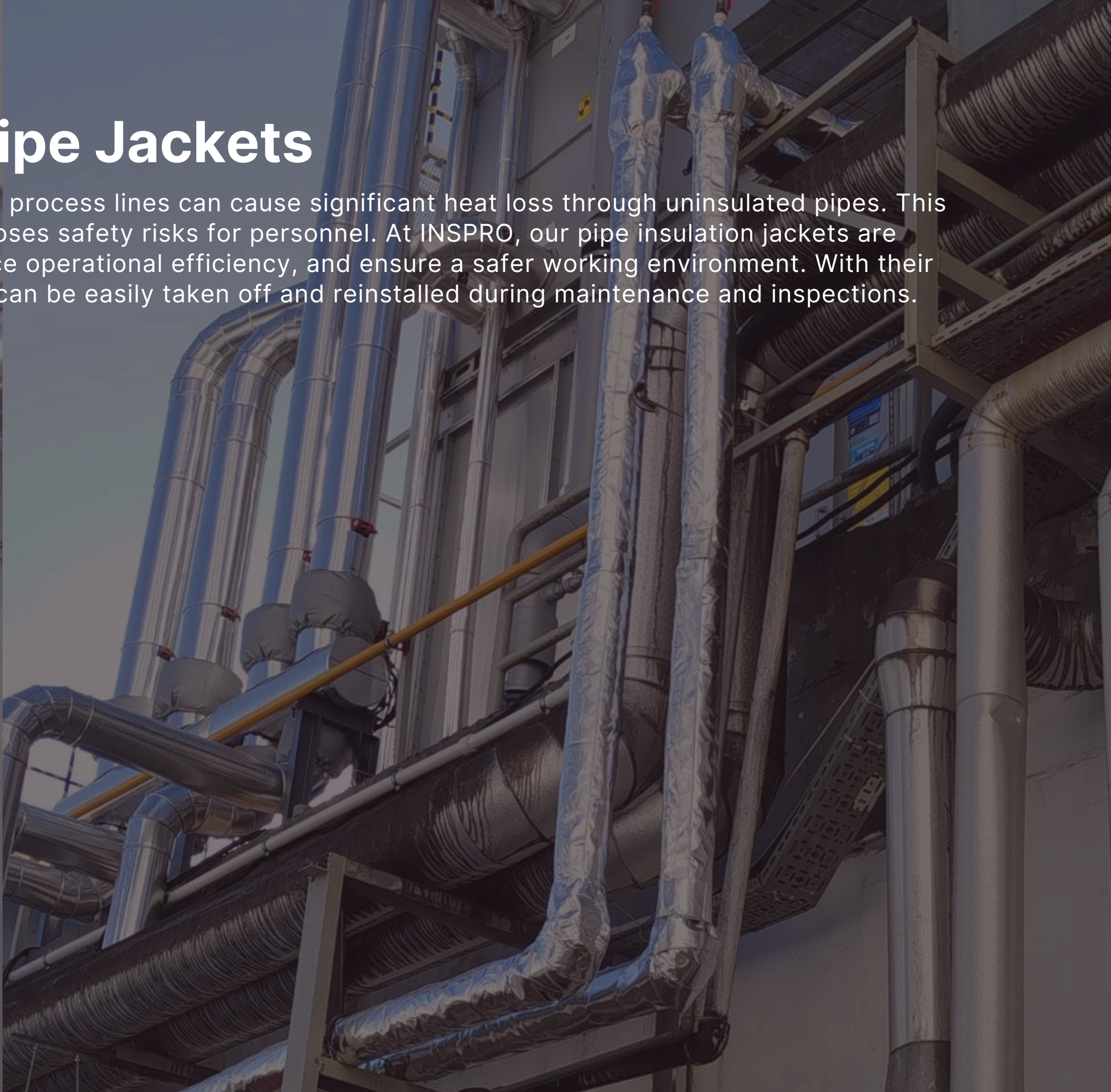
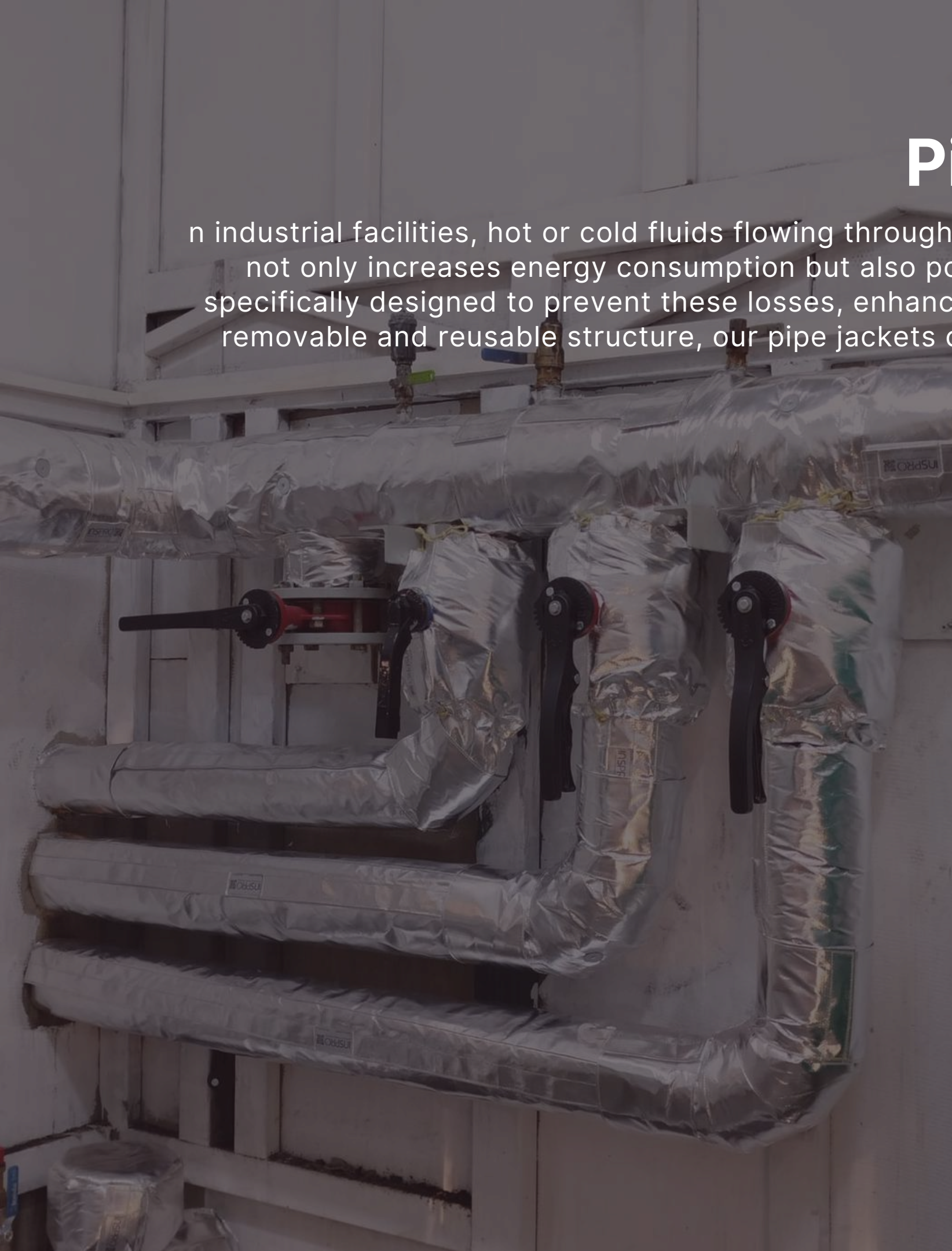
Our valve insulation jackets are designed to prevent energy losses and ensure personnel safety in industrial facilities. These jackets are manufactured to be resistant to high temperatures, removable, and reusable. Produced entirely in-house, they are custom-designed with precise sizing and engineering support to fit all types and sizes of valves.

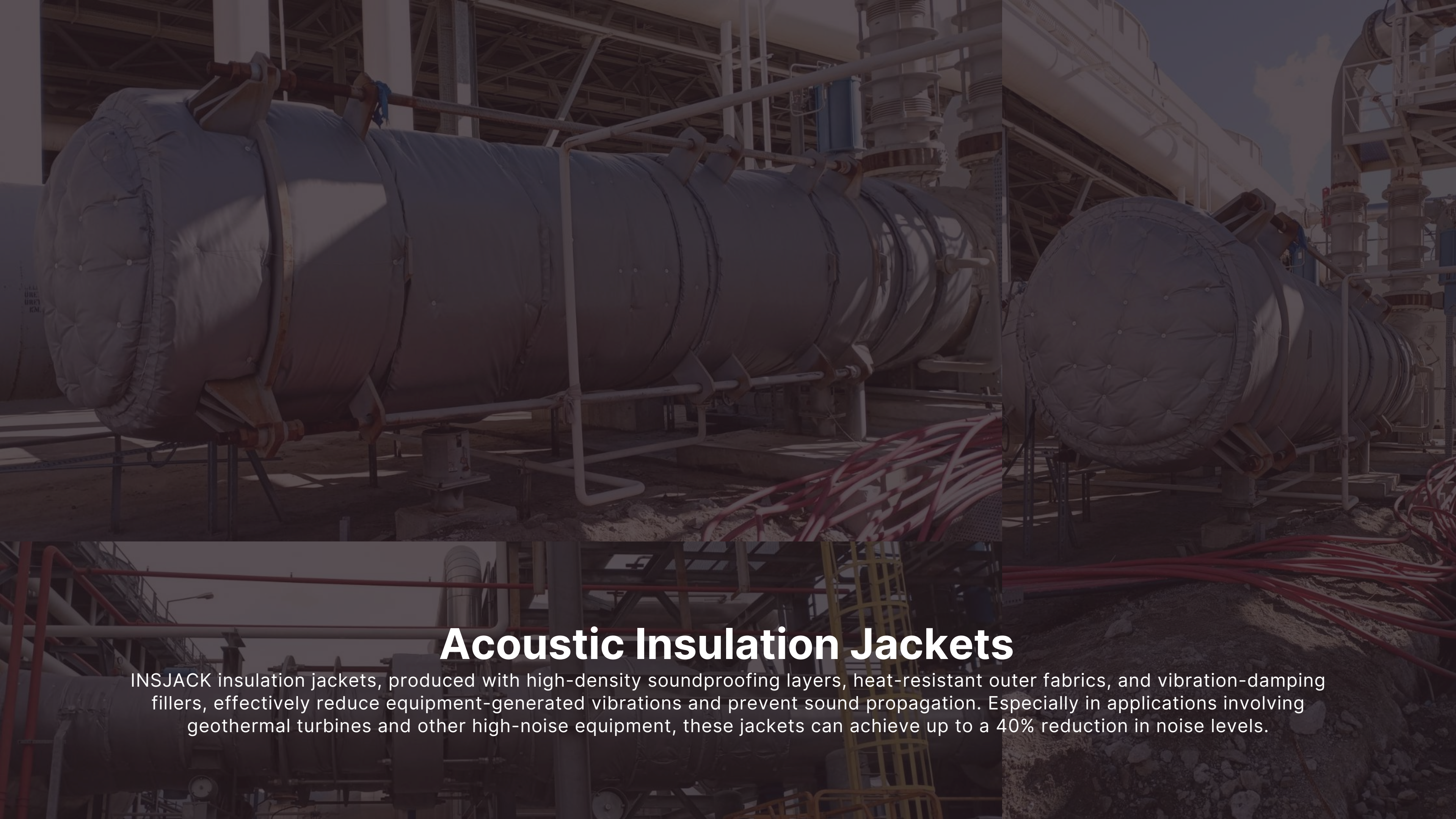


INSJACK®

Pipe Jackets

In industrial facilities, hot or cold fluids flowing through process lines can cause significant heat loss through uninsulated pipes. This not only increases energy consumption but also poses safety risks for personnel. At INSPRO, our pipe insulation jackets are specifically designed to prevent these losses, enhance operational efficiency, and ensure a safer working environment. With their removable and reusable structure, our pipe jackets can be easily taken off and reinstalled during maintenance and inspections.





Acoustic Insulation Jackets

INSJACK insulation jackets, produced with high-density soundproofing layers, heat-resistant outer fabrics, and vibration-damping fillers, effectively reduce equipment-generated vibrations and prevent sound propagation. Especially in applications involving geothermal turbines and other high-noise equipment, these jackets can achieve up to a 40% reduction in noise levels.



Turbine Insulation

Our insulation jackets for gas and steam turbines are custom-designed based on equipment dimensions and process conditions, and are manufactured in our facility using materials resistant to high temperatures and vibration. Thanks to their modular and removable structure, they can be easily taken off and reinstalled during maintenance and inspections ensuring operational continuity without compromising energy efficiency or safety.



Geothermal Turbines

Turbines used in geothermal power plants operate under high temperatures and steam conditions, making effective insulation essential. At this point, INSJACK insulation jackets offer an ideal solution in terms of both energy efficiency and maintenance convenience.

With their high-temperature resistance, removable design, and process-friendly structure, INSJACK jackets are a reliable choice for insulating geothermal turbines. The jacket system can be easily removed and reinstalled during maintenance, offering significant long-term advantages over traditional fixed insulation systems.

Insulation Jackets for Tanks, Reactors, and Pressure Vessels

Controlling the surface temperatures of tanks, reactors, and pressure vessels in industrial facilities is critically important for energy efficiency, process stability, and personnel safety. Insulation jackets used for this equipment are modular and removable insulation solutions, developed as alternatives to traditional sheet metal cladding systems.

Technical Features:

- Thermal Insulation: High temperature resistance (250–650 °C) provided by 50 mm thick mineral wool filling.
- Outer Surface: PTFE-coated fiberglass fabric resistant to chemicals and harsh environmental conditions.
- Easy Installation: Quick installation and removal on-site using hook-and-loop fasteners, buckles, and strap systems.
- Maintenance-Friendly: During maintenance and inspections, only the relevant section can be opened without removing the entire insulation system.
- Pressure Compatibility: The jacket does not typically impose mechanical load on pressurized equipment, thus supporting long-term structural safety.

Advantages:

- Low maintenance cost
- Long-lasting and reusable design
- Enhances process safety by lowering surface temperatures and reducing burn risks
- Minimizes energy loss and condensation formation

Passive Fire Protection

Passive Fire Protection Jackets are specifically designed to protect equipment against sudden temperature spikes and fire exposure in high-risk environments such as gas, chemical, and petrochemical facilities. At INSPRO, we manufacture these jackets with a special composite structure tested against hydrocarbon-based fires, providing fire resistance for 60 to 120 minutes. Applied to critical equipment such as valves, flanges, actuators, and sensors, they help maintain system functionality during a fire and reduce the risk of explosion. Their modular and removable design also allows for easy handling during maintenance and inspections.





Heated Insulation Jackets

INSPRO heated jackets offer advantages such as freeze protection, process continuity, and ease of maintenance across various industries including chemical, food, pharmaceutical, petrochemical, and energy. Thanks to their modular design, they can be easily installed, removed when needed, and reused.



Fabric Expansion Joints

At INSPRO, we manufacture high-quality fabric expansion joints tailored to the needs of industrial facilities. Designed to deliver high flexibility, durability, and efficiency, our expansion joints effectively accommodate thermal expansion, mechanical movement, and temperature fluctuations in piping systems.

TIPCHECK

TIPCHECK is an international audit program developed by the European Industrial Insulation Foundation (EiiF), designed to assess the energy efficiency of technical insulation systems in industrial facilities. This program serves as a tool to help industrial plants save energy and reduce CO₂ emissions.

INSPRO is the only company in Turkey with a certified TIPCHECK expert.



TÜRK STANDARDLARI ENSTİTÜSÜ

TÜRK STANDARDLARINA UYGUNLUK BELGESİ

TURKISH STANDARDS INSTITUTION

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DN50≤ , KULLANILAN YALITIM MALZEMESİ: TAŞ YÜNÜ

e-imzalı / e-signed

07.02.2025

Belgelendirme Merkezi Başkanı Adına
Musa TOKKAN

İSTANBUL BELGELENDİRME MÜDÜRÜ V.

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*Bu belge, hiç bir suretle tahrif edilemez, kısmen veya okunmasını zorlaştıracak şekilde çoğaltılamaz, kazını ve silinti yapılamaz.
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At INSPRO, we base our production and service processes on quality standards certified by the Turkish Standards Institution (TSE). Our TSE certification not only confirms the technical competence of our products, but also guarantees their reliability, long-term durability, and full compliance with national standards.

This certification is not merely proof that we do things "as they should be" it is evidence that we do them in the most accurate and correct way possible. In every product and service we offer, we embrace this quality philosophy, delivering audited and approved solutions at every stage from process to product.

Because for us, quality is not a choice; it's a necessity.



At İNSPRO, we don't just manufacture we document our processes with internationally recognized certifications. Our product and service quality, commitment to occupational safety, and environmental awareness are all secured through systems approved by independent auditing organizations.

ISO 9001:2015 – Quality Management System

We operate with a quality management approach that prioritizes customer satisfaction and embraces continuous improvement throughout our production and service processes.

ISO 14001:2015 – Environmental Management System

We are committed to the environment and the future. By minimizing the environmental impact of our production processes, we place sustainability at the heart of our operations.

ISO 45001:2018 – Occupational Health and Safety Management System

Employee health and workplace safety are non-negotiable priorities for us. By creating safe working environments, we aim not to produce risk—but to produce quality.

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