

The background of the slide is a photograph of a roller coaster track under construction. The track is composed of several large, curved sections in vibrant colors: purple, green, and blue. The track is supported by a dark metal structure. The sky is a clear, light blue. The overall composition is dynamic and modern.

Asset Integrity Management in Hera Group

Solid infrastructures for a long-term sustainable strategy

Photo by Silvia Camporesi: construction phase of the biomethane plant of Sant'Agata Bolognese

Asset Integrity Management

Hera's commitment

Asset Integrity Management (AIM) represents a fundamental pillar for companies operating in strategic sectors such as energy, water, and waste. Hera, as one of the main Italian multi-utility companies, adopts a systematic and integrated approach to ensure the safety, reliability and sustainability of its assets throughout their entire life cycle. The objective is to protect the value of the assets, ensuring operational continuity and compliance with current regulations.

Benefits of Asset Integrity Management for Hera

- Greater reliability and availability of plants
- Reduction of accident and environmental impact risks
- Optimisation of maintenance costs
- Compliance with regulations and international standards
- Continuous improvement of operational performance



Asset Integrity Management

Phases of Asset Integrity Management at Hera

- Identification and Classification of Assets

Hera carries out a detailed mapping of all assets, classifying them according to their criticality and strategic role. This enables the prioritisation of maintenance and monitoring interventions.

- Risk Assessment

A risk analysis is conducted for each asset, considering technical, environmental and operational factors. This phase allows the identification of vulnerabilities and the planning of preventive or corrective actions.

- Maintenance Planning

Hera adopts predictive and preventive maintenance strategies, based on data collected through sensors and advanced monitoring systems (IoT, SCADA, etc.). The aim is to anticipate failures and reduce plant downtime.

- Continuous Monitoring

Assets are monitored in real time to check their condition and detect any anomalies. This approach enables prompt and targeted intervention, reducing costs and improving plant reliability.

- Information Management and Reporting

All asset-related data are managed through dedicated IT systems (such as CMMS – Computerised Maintenance Management System), which allow tracking of interventions, performance and regulatory compliance. Regular reporting supports transparency and continuous improvement.

- Training and Safety Culture

Hera invests in continuous staff training, promoting a company culture oriented towards safety and efficiency. Raising employee awareness is a key element in preventing errors and incidents.

- Technology and Innovation

Technological innovation is central to Hera's AIM strategy. The company implements digital solutions such as remote monitoring, predictive analysis based on artificial intelligence, big data management and maintenance supported by augmented reality. These tools make it possible to optimise processes, reduce operating costs and increase the sustainability of infrastructure.