

## IRIS360

### Solution Overview

IRIS360 is an IoT-enabled data space solution that enables organisations to collect, share and exploit trusted data generated by distributed sensor networks. The solution connects IoT infrastructures with digital ecosystems, allowing cities, infrastructure operators and industry stakeholders to publish and consume **trusted IoT-derived data products** within interoperable data spaces.

By integrating Gaia-X principles for trusted data sharing, IRIS360 enables organizations to create **data-driven services and analytics applications** based on secure and sovereign IoT data exchange.

### Key Benefits

- IoT data acquisition through distributed sensor networks
- Secure sharing of environmental and infrastructure data
- Integration with data spaces and ecosystem platforms
- Support for digital twins and advanced analytics
- Development of data-driven services for smart cities and infrastructure

### Example Use Cases:

- Smart city environmental monitoring
- Infrastructure monitoring and predictive maintenance
- Energy efficiency and sustainability services
- Urban mobility and environmental analytics

### Relation to Gaia-X

IRIS360 integrates with Gaia-X-enabled data ecosystems to ensure trusted and interoperable data sharing. The solution leverages Gaia-X principles and components by: (i) enabling the publication of trusted data products within data spaces, (ii) supporting Gaia-X compliant service and data descriptions, (iii) integrating with ecosystems using Gaia-X Trust Framework mechanisms, (iv) facilitating secure and sovereign cross-organisation data sharing.

Through this integration, IoT-generated data can be shared and consumed within trusted digital ecosystems, transforming these raw datasets into trusted and reusable assets.

This allows ecosystem participants to: (i) build data-driven services and applications, (ii) develop AI and analytics solutions, (iii) enable cross-organization collaboration and new monetisation mechanisms,

(iv) accelerate innovation in urban and industrial environments.

**More Information**

<https://www.iris360iot.com/data-space/>