

SIOT TECHNOLOGY

Distributed IOT and Swarm connectivity!
Secure, Scalable, Simple.

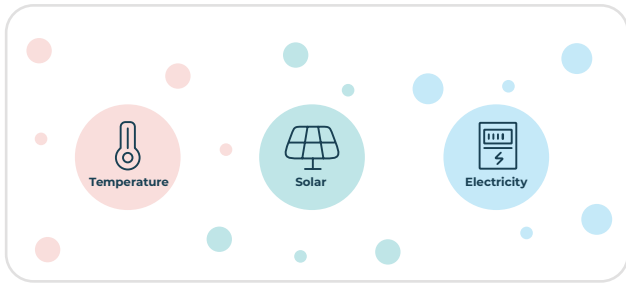
SIOT is a technology developed by Inalp to enable secure and reliable access to IoT systems.

It collects raw data, transforms it into useful information, and makes it accessible to other systems, powering smarter decisions and seamless automation across cloud or on-premise environments.

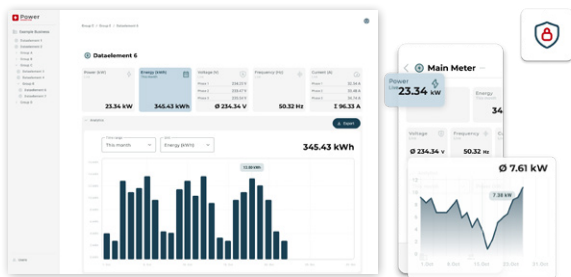


Key Elements of SIOT

Your raw data from devices



Access and manage your displayed data



Normalization

SIOT structures data into domains and subdomains, making it easy to integrate, understand, and use. This avoids the common pitfalls of siloed systems and simplifies communication between heterogeneous devices.

Decentralization

SIOT enables local and distributed operation for better flexibility and reliability:

Decentralized Control

Operate individual devices or groups without relying on a single central system.

Decentralized Intelligence

Empower edge devices with local processing to convert data .

Decentralized Data

Improve data sovereignty and fault tolerance through localized data storage.

Trust

By combining Authenticity and Integrity, SIOT ensures that only verified devices and trustworthy data are used.

Remote Access

Access and manage remote devices regardless of their location or network setup.



Structured Data Models

Organize data in clearly defined domains and subdomains.



Access Rights Management

Control who can read or write specific data points.



Smart Data Routing

Deliver the right data to the right destination.



Data Privacy & Encryption

Secure data across its entire lifecycle.