



UNLOCKING VALUE IN THE BUILT ENVIRONMENT WITH SMART DATA

Driving cost recovery and sustainability through a unified, real-time data layer for energy, HVAC, tenants, and ESG — built on Microsoft cloud and IIoT.

What Problems Do We Solve?

- **Energy Waste**
Lack of real-time visibility leads to costly inefficiencies and missed savings.
- **Data Silos**
Fragmented IT/OT data blocks a holistic view across assets, tenants, and buildings.
- **ESG Pressure**
Growing compliance requirements for accurate, auditable sustainability reporting.
- **HVAC Under-performance**
Suboptimal control and maintenance drive higher energy spend and discomfort.
- **Tenant Cost Recovery**
Complex metering and reporting make equitable billing and accountability hard.

What Problems Do We Solve?

- **Unified Data Platform**
Stream, contextualise, and enrich IIoT events from OPC-based meters; persist insights with Microsoft Fabric for trending and forecasting.
- **Real-time Visualisation**
Dashboards down to 5-second intervals enable immediate action across facilities and portfolios.
- **Automation & Control**
Trigger notifications and automated actions across HVAC and energy systems based on thresholds and predictions.
- **Tenant Metering & Billing**
Per-tenant metering and cloud reporting drive fair cost allocation and accountability.
- **ESG & Sustainability**
Correlate energy data with weather, occupancy, and shifts to track carbon and simplify reporting.



Offerings & Benefits

Energy & HVAC Optimisation

- Predictive fault detection and continuous performance monitoring.
- Automation triggers to maintain efficiency and comfort.
- Lower operational costs and extend asset life.

Tenant Accountability

- OPC-based metering per tenant.
- Transparent dashboards and statements.
- Accurate, timely cost recovery.

ESG Intelligence

- Real-time sustainability metrics and alerts.
- Fabric-backed modelling and auditability.
- Compliance reporting with confidence.

Advisory & Enablement

- Benchmarking and strategy.
- Roadmaps and financial impact analysis.
- Implementation support and continuous improvement.

Architecture at a Glance

| Layer | Focus | Tech Examples |
|------------------|---|--|
| Connect | Secure ingestion from OPC meters & IIoT devices | Microsoft IoT Operations, OPC UA |
| Model | Contextualise, persist, and model | Microsoft Fabric, Data Lakehouse |
| Visualise | Operational & executive dashboards | Power BI, near real-time refresh |
| Automate | Rules & predictive actions | Azure Functions, Logic Apps, Notifications |
| Govern | Security, lineage, and compliance | Purview, Defender for Cloud, Entra |

Ready to unlock value in your built environment?

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