

Integrated Sustainability

Solving business mission critical problems

Monitising the Industrial Internet of Things

Saamsol See™ the holistic IIoT connected approach to sustainability, incorporating the three pillars of sustainability, social, environmental, and economic, so the benefits gained are far broader than just financial, being compliance, performance, resilience and collaboration.

Saamsol See™ brings together the building lifecycle, usage, people, communications and fabric, ensuring sustainable operation in terms of CAPEX and OPEX, **giving benefits far beyond the financial**

Three levels of service

Reporting
Control
Control and reporting

All include **Saamsol See™** secure collaboration tool maintaining your data control.



Social

Location of visitors and staff, occupancy, space management.

Engage with staff, visitors and contractors enabling effective monitoring, audit.

Keeping control of data whilst enhancing best practice and facilitating behavioural change using **Saamsol See™** collaboration tools.



Environmental

Reduction of wastage through behavioral and operational changes.

Reduction of emissions, by increased efficiency.

Environmental conditions affect living and working spaces, such as the shop floor, offices and retail areas, which can have considerable impacts on productivity, sales, asset life-span and efficiency.



Economic

Optimise CAPEX and OPEX by generating efficiencies and savings in areas such as:

- Lighting
- Heating & Cooling
- Demand-side
- Water
- Office Productivity
- Plant Productivity
- Logistics
- Space Management
- Compliance

Compliance

Data:

- General Data Protection Regulation (GDPR)
- EU-US Privacy Shield
- Swiss-US Privacy Shield
- Health Insurance Portability and Accountability Act 1996 (HIPAA)

Utilities

- ESOS
- ISO 50001, 14001, 16346:2013
- EU Energy Efficiency Directive (2012/27/EU)

Healthcare

- FDA21 CFR Part 11
- Gamp5

Manufacturing

- GMP
- Gamp5

Performance

Process:

- Up-time
- Down-time
- Asset performance
- Asset reliability
- Alarms

Utilities and building

- Alarms
- Demand-side management
- Overhead reduction
- Waste reduction
- Optimise OPEX & CAPEX

Reporting

- Real-time
- KPI reporting
- Alarm analysis
- Bad actor reporting
- Efficiency
- Multi-lingual - on the fly
- Reduced analyst overhead
- Minimal IT overhead

Resilience

Data:

- Simple redundant set up
- Multiple redundancy
- Ease of roll back
- Protected data and IT infrastructure

Mission critical applications

- Nuclear
- Oil & Gas
- Sub sea control valves
- Defence
- Healthcare

Interoperability

- CRM
- CAFM
- BMS
- Wi-Fi
- Accounts
- Logistics
- Security



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