SAME EXPENDITURE.
BETTER OUTCOMES.

Get Actionable Insights For Your Property

In today's ever-changing world with automated system and software applications which are smarter, better and faster, data remains a constant. For property owners and facility managers, the most impactful source of information they have is data from their operational technology (OT) – such as elevators, lighting, heating, ventilation, and air-conditioning (HVAC), power meters, surveillance, access control, intercoms and fire alarms - essentially anything bolted to the building. The flow of data between the OT and information technology (IT) system layers has increased in the last decade because of open system architecture and innovative software applications. With the introduction of Internet of Things (IoT) technology and equipment, we have seen an exponential increase of data generated within buildings.
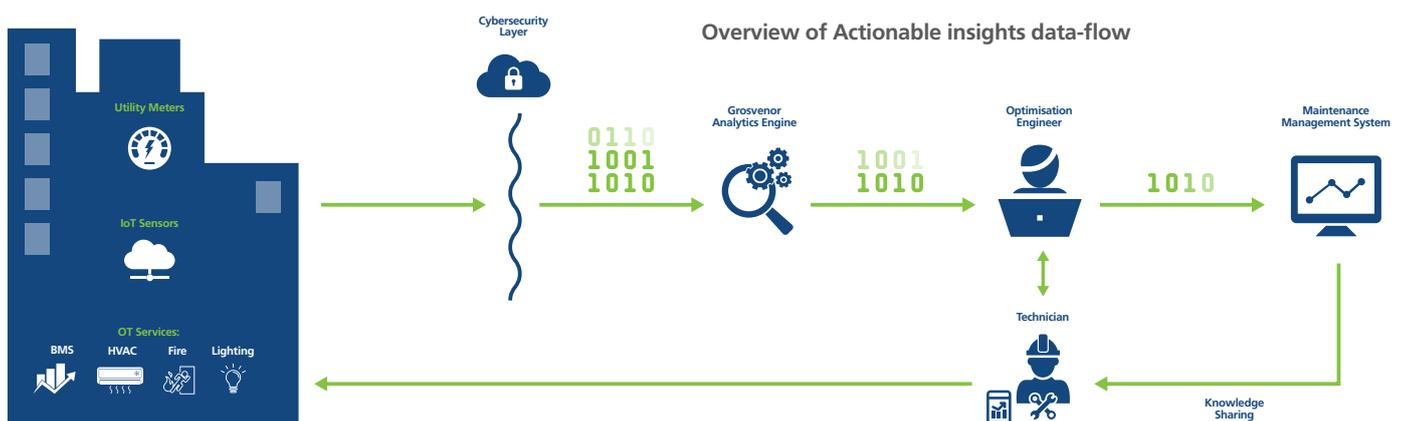
What generally happens with all this valuable data being generated by OT equipment?

Unfortunately most of the time, this data is neglected – basically it evaporates out of your building and disappears. This wealth of information is crucial for a facility, and the real promise lies in using this information to make data-driven decisions to predict possible business outcomes, such as changes in the operating environment and; the ability to operate proactively instead of reactively, to name a few.

How do we turn data into a value stream?

Property owners and managers are quickly realising the benefits of timely and actionable data. This increase in data offers opportunities to synthesise datasets to extract building intelligence to form actionable insights. Through Grosvenor's Actionable Insights solution, we extract this data through OT networks, then we process this data tsunami using algorithms, to come up with a list of insights to action. This era will be driven not just by data, but also by the intelligence that can be derived from it and applied across the property landscape of equipment, processes, facilities and people.

Actionable Insights Infrastructure

Overview of Actionable insights data-flow

GROSVENOR]
engineering group

Data Driven Maintenance

Maintenance Data:

This is data that is manually collected on site by technicians and engineers. Grosvenor have been leaders in capturing maintenance data for over 20 years, using this data to help inform our customer's about their maintenance and asset decisions.

Utility Data:

Electricity, gas, water and associated sub-meter data is captured and linked with maintenance data, delivering deep insights into a buildings performance.

Machine-generated Data:

Building equipment – such as lifts, BMS, fire, HVAC and routers – produce valuable machine-data relating to needs of occupants; the buildings response to them as well as asset health. Actionable Insights algorithms continuously filter datasets, maintenance data and IoT devices.

Our team of Engineers evaluate algorithm filtered data to create actionable insights which are precise maintenance adjustments to realign building performance. This data transformation gives our service teams relevant information at their fingertips, helping them make better informed decisions and to deliver the benefits of Actionable Insights.

[Guaranteed Outcomes

At Grosvenor, we can guarantee:

[Enhanced Building Occupant Experiences

By using data to anticipate the needs of occupants and have the building environment respond accordingly. Our Actionable Insights solution realises building concepts such as individual thermal and lighting control and seamless access control.

[Data Driven Maintenance (DDM)

DDM is precision timed maintenance by technicians and engineers based on a comprehensive data-set overlaid with condition monitoring algorithms. Reduced fault resolution time guarantees significantly improved productivity.

[Reduction In Operating Risks

Exponential increase in data flows matched with increased cyber activity often expose OT and IoT as the weakest links in the built environment. Cyber breaches can lead to CEO's and company directors being held liable, resulting in brand damage and adversely impact tenant confidence in relation to building operations. Actionable Insights incorporate military grade cyber-security, making the buildings OT network invisible to the bad guys.

[Energy And Water Are Valuable Resources

Monitoring of consumption patterns offer additional data streams that elevate diagnostics. Actionable Insights looks at the building as a holistic system; tuning operation, energy and water consumption to deliver efficiency without compromise.

[Enhanced Operational Efficiency

To deliver OPEX reductions and improvements in sustainability.

[Managed Capital

Precision maintenance and condition monitoring makes for precise capital decisions. Asset maintenance is balanced to deliver a prescribed life to suit capital constraints of the asset. Asset health data allows constant re-evaluation of capital allocation incorporating real-time data.

Cyber Security and OT Network Data

Securely managing the network infrastructure that makes building data flow smoothly and un-interrupted is a critical element of an Actionable Insights ecosystem. OT networks interconnect technical assets to each other and the internet. They are each assets' data control and transfer infrastructure. This includes data cabling, routers, switches, devices and internet connections.

OT networks are often forgotten, poorly documented and with maintenance overlooked. With the advance of smart buildings, the OT network infrastructure is vital to securely funnelling OT data flows. To address this, Actionable Insights ecosystems delivered by Grosvenor includes OT network maintenance, monitoring and capital expenditure.

A unique Cyber Solution

Grosvenor deploys cutting edge military grade cybersecurity technology via Tempered AirWall to address the inherent cyber risk prevalent in smart data driven buildings.

Tempered Airwall acts as border control for all incoming and outgoing building OT data flows. Its 'zero-trust' approach reduces a building's attack surface area, acting as an invisible cloak over building OT infrastructure. Grosvenor are the exclusive distributors for the Tempered AirWall cyber security solution for Australia and New Zealand, with our team of experts implementing and maintaining this cyber solution for your property.