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SSG Insight

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global solutions specialists



Asset

Management:

A crucial component to achieving sustainability goals



Introduction

Presenter

Amber Hart

Who are we?

S&S Insight provide
Agility, asset and
maintenance
software



Maintenance and asset management are integral components of ensuring the sustainability and long-term viability of a light rail system.



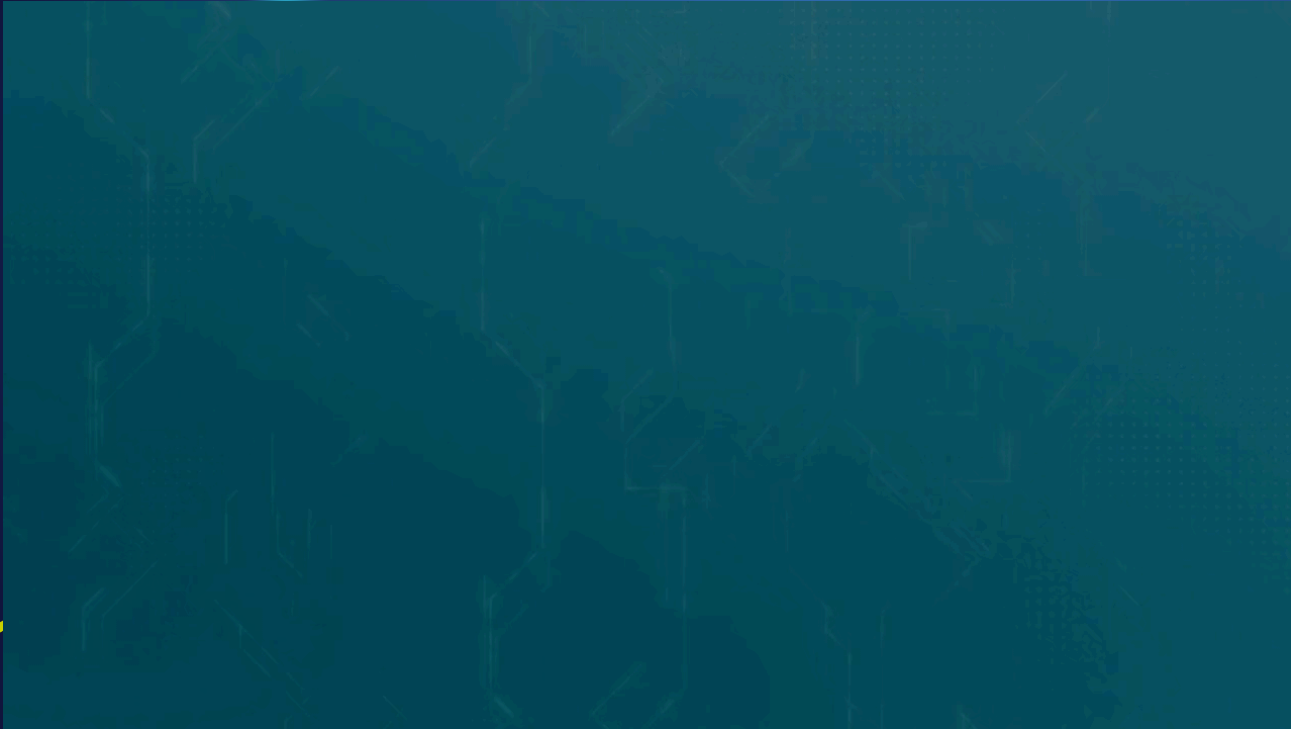
Sustainable asset management



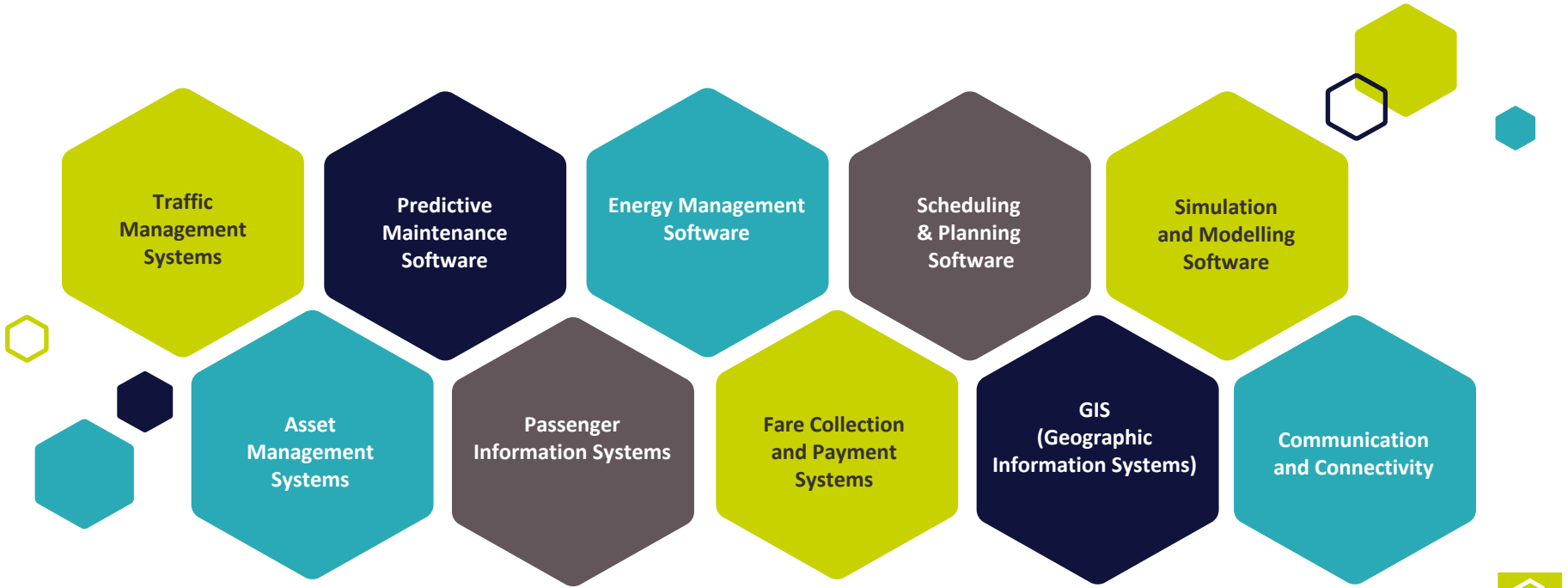
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Delivering
workplace
solutions across
the globe**



Who are SSG Insight?



Software Contributors



Software solutions for efficient operations



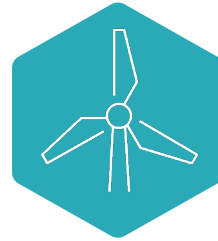
Asset management software

Helps track the condition, performance, and maintenance history of various components within the light rail system



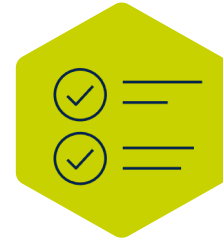
Predictive maintenance practices and software

Can utilise data analytics and machine learning to predict potential equipment failures before they occur.



Energy management software

Helps optimize the use of electric power in light rail systems. This includes monitoring and controlling the energy consumption of trains, stations, and other infrastructure components



Software tools for scheduling and planning

Assist in optimizing train routes, timetables, and station operations. This helps reduce idle times, improve overall system efficiency, and enhance the capacity of the light rail network.



Asset management position

01

Maintenance management

- Outdated Maintenance Specifications focusing on periodicity and O&M
- Inconsistent record keeping between engineering departments
- Difficult to demonstrate compliance

02

Competency management

- Siloed approach to competency management
- Difficult to demonstrate compliance
- No distinction between Technical, Behavioural and Vocation

03

Change management

- Overly complex
- Workshop review required

04

Risk & opportunity management

- No active management of risks and opportunities across the network

05

Document management

- No document management system in use
- Huge number of days lost each period searching for documents

06

Planning & Access

- No control
- Too many short notice access request not following the six weeks planning guidance



Asset management position

07

Asset condition & performance

- No active recording of asset condition
- No monitoring of asset performance

08

Renewals & enhancement management

- No commercial leverage

09

Configuration management

- No configuration management in place

10

Contract management

- No guidance on what client requests we must action vs what is additional and chargeable

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Asset management manual

- No standard approach to asset management between departments

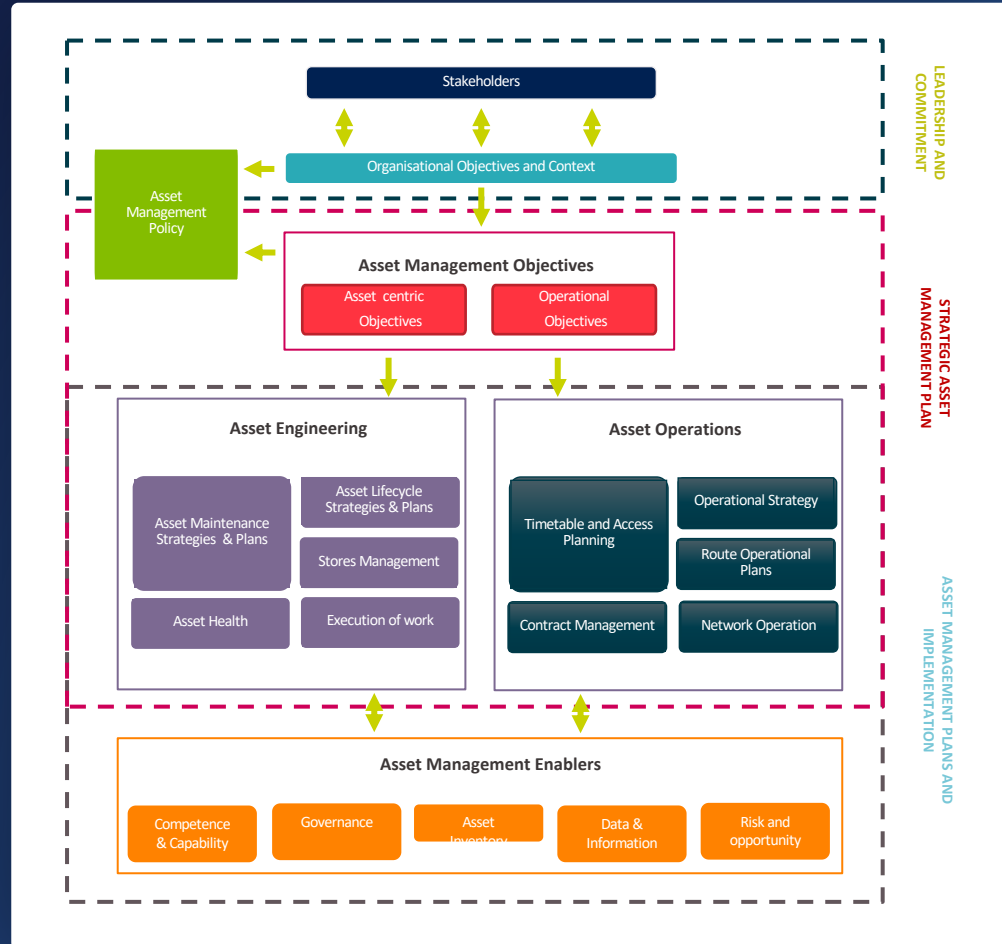
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Asset information management

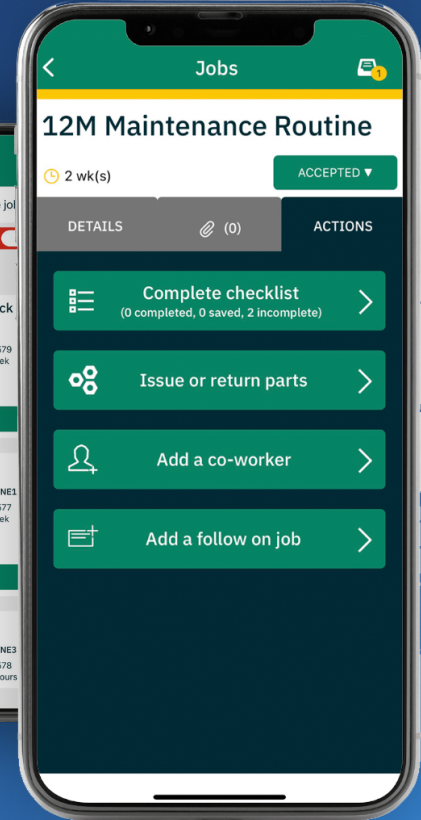
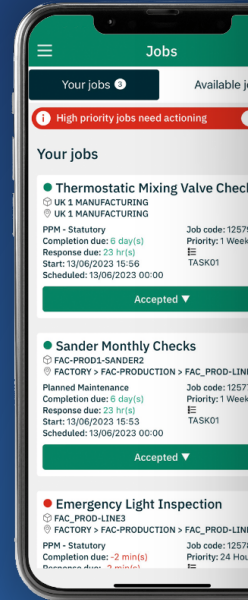
- No strategy on asset information management



Asset management scope



Customer Example



The need for change

No defined data hierarchy for the asset inventory

No documented data governance rules

Incomplete asset register

Duplication in the asset register

No structure to standard jobs or ppm schedules making it difficult to identify what is contractually required

Paper based maintenance

Reading and asset attribution not stored digitally

Too many bespoke elements

The Transformation



Transformation Programme

What's next?

202
4



- Asset inventory data cleanse complete and data improvement plan underway
- Cleanse and categorisation of assets
- Asset tagging trial



- Agility mobile in use
- Improvements to the maintenance scheduler
- Competency management – linking into internal system



- Use of reading points and Agility Bridge to drive maintenance
- Configuration management and asset dependencies

202
7


What our customers say



KEOLIS amey
Metrolink

“Throughout KAM’s journey, our expansion and successive changes in operations, Agility has adapted to and incorporated the changes, and remains integral to our asset management.”

Caroline Howarth, Asset Manager,
Keolis Amey Metrolink (UK’s largest
light rail network)



RTM 

“SSG Insight have a talented and dedicated team with in-depth experience and industry knowledge.”

R. Glenn Hylton, Rideau Transit
Maintenance (RTM) Canada



What our customers say



"This allowed us to integrate Agility with key maintainers CMMS platforms so that we had full visibility of planned and reactive maintenance while making sure that all Work Requests updated on maintainers systems were then reflected in Agility"

Doug Curry, IT Manager, Edinburgh Trams



"The team at SSG Insight along with the Agility asset and maintenance solution, support our members with the operational maintenance to ensure leading passenger transport services. The expert team have a wealth of knowledge around asset and maintenance management and strategies within Light Rail."

Craig O'Brien, Head of Engineering Safety & Innovation, UKTram