



AN INTRODUCTION TO SMARTSCAN ANALYTICS

SSA is an online portal that augments then simplifies stakeholder responsibilities, from maintenance to health & safety, from space managers to office managers, from finance & corporate governance, each stakeholder can increase their own efficiency through dedicated data collection and customised reporting.

SmartScan Analytics (SSA) will also provide opportunities with dedicated algorithms designed to reduce energy consumption and increase productivity.

Through LIVE notifications and limit trends, SSA can provide demand side gains; this can be through Life Safety System notifications or when simultaneously behavioural conditions are met.

What is SSA?

SmartScan Analytics (SSA) is an online portal that utilises the lighting network to transmit data from either stand-alone or integral sensors & meters.

SSA is supplied by 1 supplier in a fully inclusive warranty and totally wireless with full ownership.

How does SSA work?

Five Steps to SSA...

- > Complete Energy & Carbon Monitoring
- > Smart Building Sensors
- > Devised Asset API's
- > Environmental Sensors
- > Analytics & Optimisation

SSA is a digital twin with defined limit notifications, alerts & trend regression, for demand side gains.

What does SSA do?

SSA records the simultaneous daily conditions & correlates previously known unknown data & metrics , i.e. power, people, movement, air quality etc, as a complete digital shadow.

A digital shadow provides evidential data of everything that happened in the space & adjoining space.

01



BY

Redefining how we use the assets we specify

- Luminaires
- Building sensors
- Life Safety System
- Electric Vehicle Chargers

02



WE CAN

Lower development and operational costs

- Optimised energy savings
- Determine unknown knowns
- Trend notifications
- Evidential data peaks
- Space optimisation

03



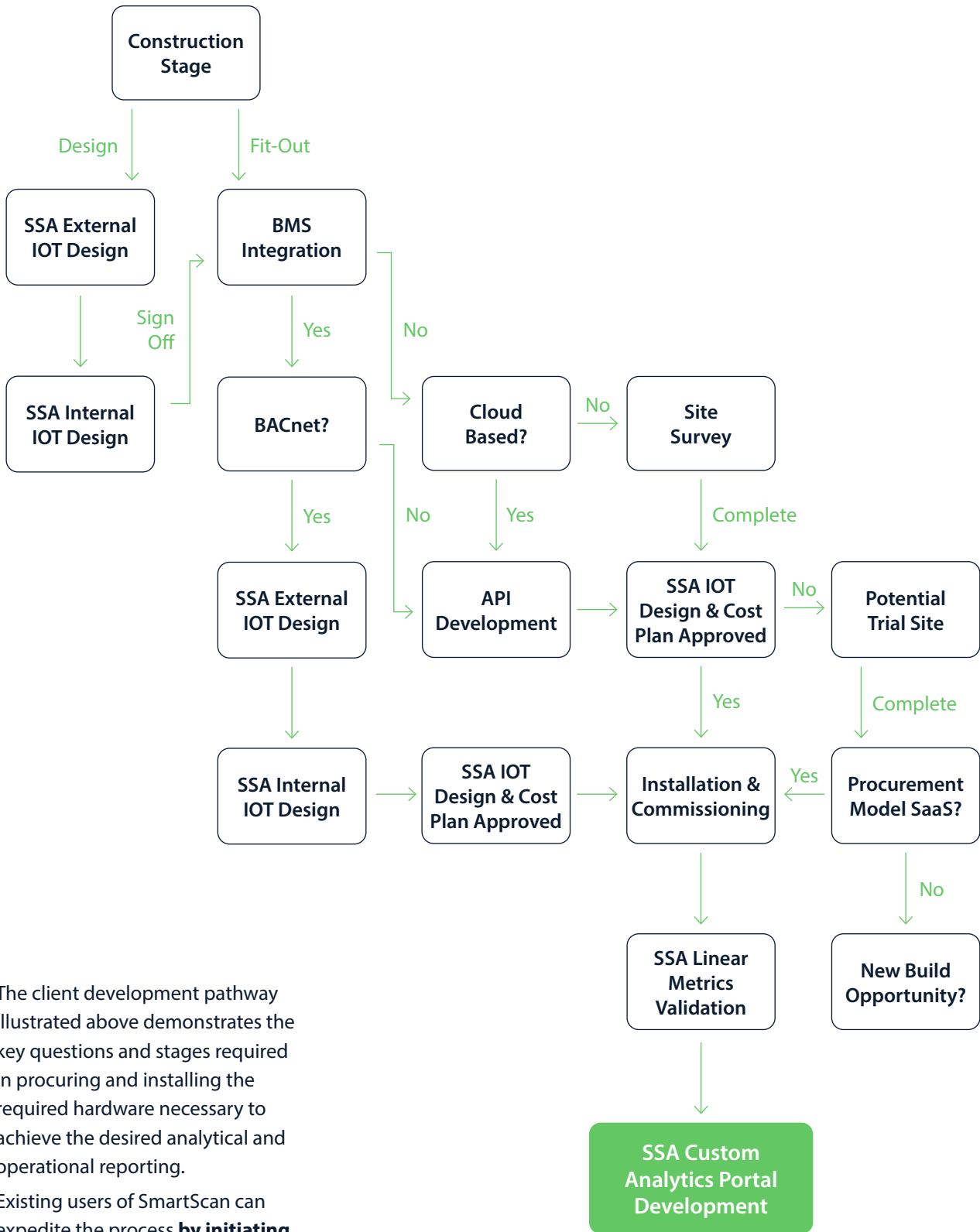
WHILST

Providing developer and tenant enhancements

- Improving health and well-being
- Better working environment
- Increase colleague productivity
- Maximising understanding
- Reduced operational cost
- Reduce future build costs
- Self-benchmark

SMARTSCAN ANALYTICS CLIENT DEVELOPMENT PATHWAY

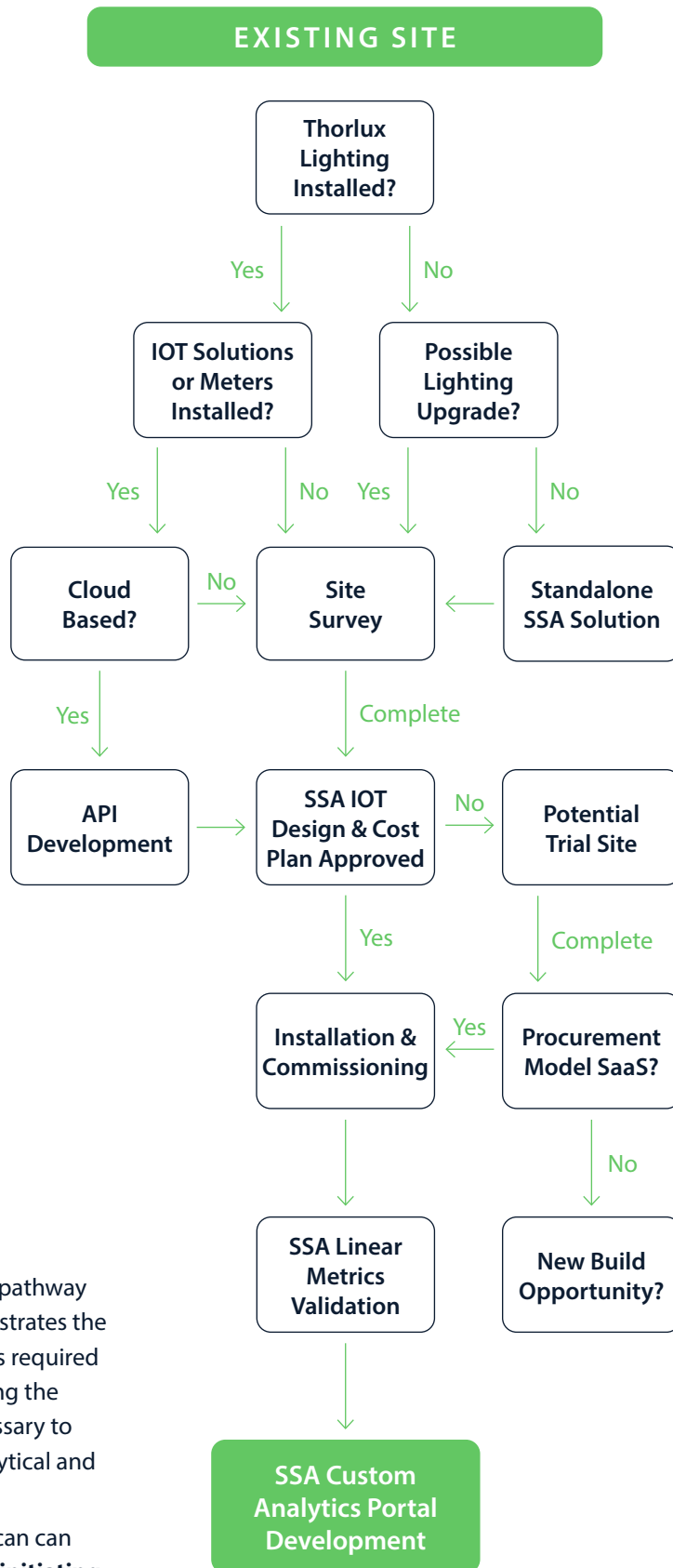
NEW BUILD



The client development pathway illustrated above demonstrates the key questions and stages required in procuring and installing the required hardware necessary to achieve the desired analytical and operational reporting.

Existing users of SmartScan can expedite the process **by initiating a Trial Site** within their estate, this maybe a complete site including the external operations, a single building or even a lecture theatre.

SMARTSCAN ANALYTICS CLIENT DEVELOPMENT PATHWAY



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SMARTSCAN ANALYTICS EXAMPLE REPORTS



Sites: G Park Bedford Wixams Unit 2 SECR Reporting

	2023		2024	
	G Park Bedford Wixams Unit 2	Associated Greenhouse Gas Emissions CO ₂ Equivalent	G Park Bedford Wixams Unit 2	Associated Greenhouse Gas Emissions CO ₂ Equivalent
Annual Electricity Consumption (kWh)	26,450 kWh	5,477 kg CO ₂ e	33,730 kWh	6,984 kg CO ₂ e
Annual Gas Consumption (m ³)	854.0 m ³	1,622 kg CO ₂ e	960.0 m ³	1,824 kg CO ₂ e
Total [t CO₂e]	7.1 tCO₂e		8.8 tCO₂e	
Intensity Ratio Metric	IR Total GIA (per 1,000 sq ft)	249.2	IR Total GIA (per 1,000 sq ft)	249.2
Intensity Ratio Emissions per 1,000 sq ft GIA	0.028		0.035	

All UK public companies (PLCs), large private companies with at least 250 employees and either a turnover of more than £36 million or a balance sheet total of more than £18 million are required to provide annual ESG (Environmental, Social and Governance) performance data. Streamlined Energy and Carbon Reporting (SECR) is a framework introduced by the UK government in April 2019 that requires both registered and unregistered companies to present their energy use and carbon emissions data regardless of their sector in their annual reports. All businesses however categorised must report global energy usage and at least one emissions intensity ratio. Intensity ratios compare emissions data with an appropriate business metric or financial indicator; such as sales revenue, square foot of floor space, number of full-time staff and thus allow for comparability.

SMARTSCAN ANALYTICS EXAMPLE REPORTS (CONTINUED)

