CivitOPERATE
by SoftTech

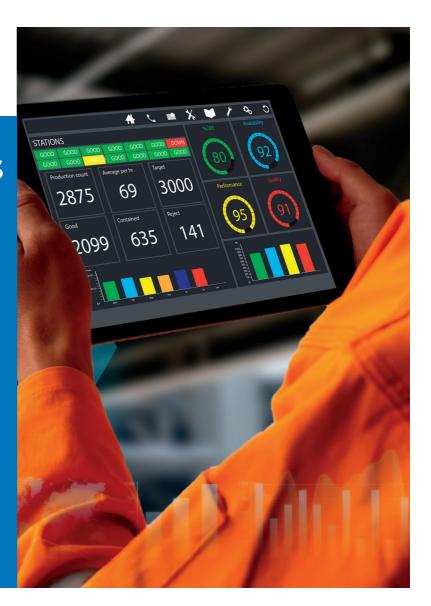## DESIGN, BUILD & OPERATE DIGITAL TWINS

Our Digital Twin services offer end-to-end support for designing, building, and operating digital twins of physical assets and systems. We provide requirements gathering, design, data collection & collation, interrogation & analysis, and visualization and dashboards. Partnering with SoftTech ensures a seamless and effective Digital Twin implementation that boosts operational efficiency, minimizes risks and drives sustainability.

DRIVE SUSTAINABILITY

Digital twins drive sustainability by enabling businesses to identify opportunities for resource optimization and energy efficiency, as well as promoting data-driven decision-making that supports environmental and social goals.

KEY BENEFITS

REAL-TIME MONITORING
Virtual replicas for real-time monitoring and analysis

EFFICIENCY OPTIMIZATION
Identify issues, test solutions & optimize efficiency

VERSATILE SUSTAINABILITY
Versatile solution for sustainability and performance

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Achieve a positive 25-year financial return with minimal capital cost increase, while saving 20-70% on operational energy costs, balancing occupant well-being with net-zero targets and costs.

Our solution transforms asset management and experience by consolidating data streams and building intelligence through an aggregation layer. Marketplace integration further ensures accessibility to necessary resources, enhancing the overall effectiveness of the solution.

GLOBAL GREEN BUILDING CERTIFICATIONS

LIVING BUILDING CHALLENGE™

BCA GREEN MARK

استدامة estidama

THE Sustainable SITES Initiative

INTERNATIONAL WELL BUILDING INSTITUTE™

U.S. GREEN BUILDING COUNCIL USGBC

Edge — Excellence In Design For Greater Efficiencies

DEPLOYED AT

⇒ **Commercial (Offices, Retail, Hospitality)**

⇒ **Residential Real Estate**

⇒ **Data centers Industrial**

CivitOPERATE

Identification of core consumers, Operational energy end use estimation, Retrofit and retro-commissioning

Estimation of operational carbon footprint

Lighting

HVAC

Air Quality

Chiller selection, Scheduling, System efficiency analysis

OPERATION STAGE

RE integration and balancing

Water Management

Performance Dashboards: Energy, Water, IAQ Visualization

Equipment and inventory management

Energy Mix analysis On-site + Off-site power demand

Preventive maintenance and upgradations

99% Accuracy Digital Twin

Technology Evaluation

Green Building Certification

NetZero in Operation

Owner

Facility Manager

Occupant

Regulators