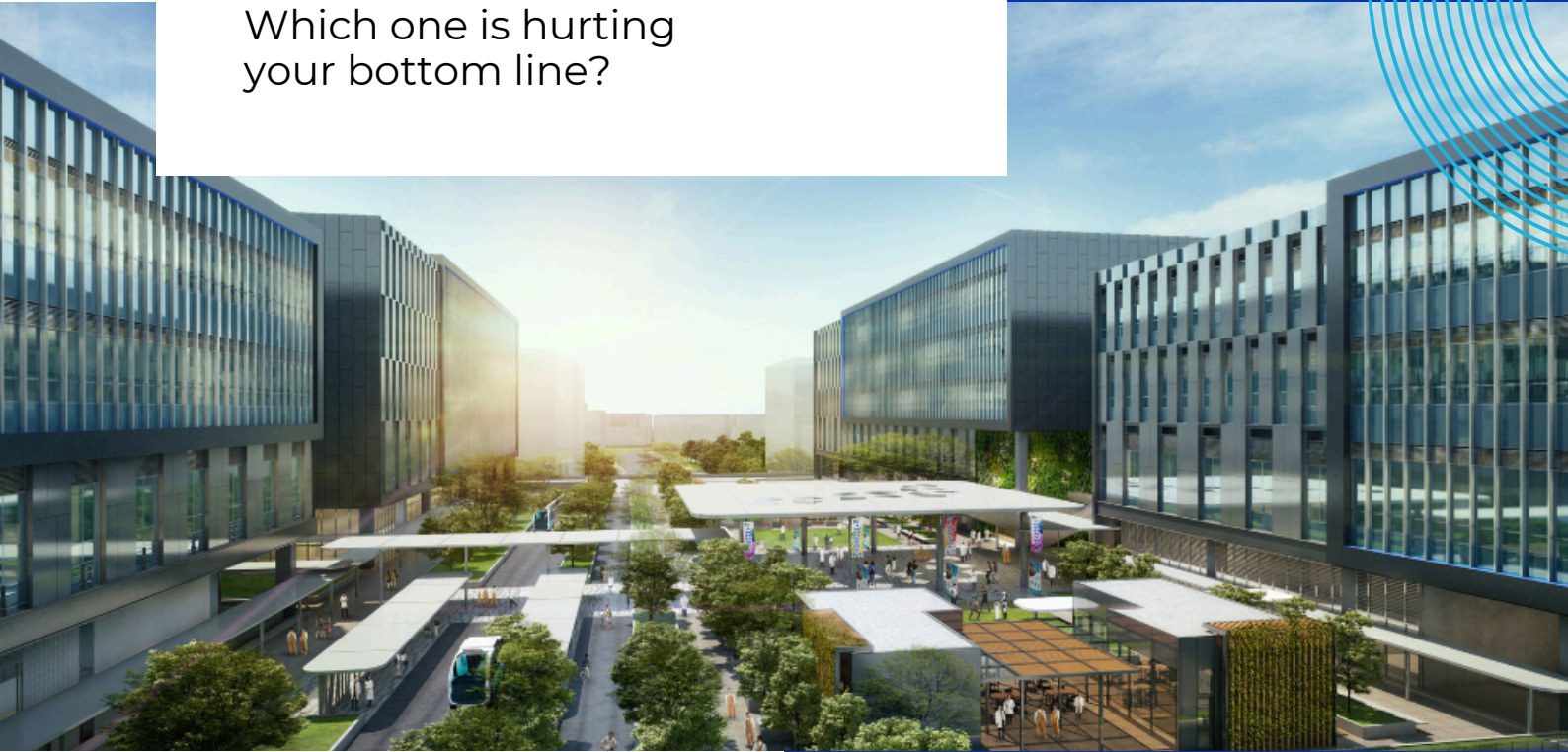**SMART**

FACILITIES MANAGEMENT

PLAYBOOK

CUT COSTS, AUTOMATE AND FUTURE PROOF

SJ

THE TOP 3 PROBLEMS

Which one is hurting your bottom line?

REACTIVE MAINTENANCE

SMART MAINTENANCE

+6%
cleaning costs annually

Automation

+60%
fault response improvements

+18%
operating costs by 2028

Digital Twin

+40%
operational efficiency

+5%
utility costs anually

Real-time dashboards

−10%
energy consumption

How Leading Facilities Are Solving These Problems

The Problem:
Manual incident reporting slows response times, while reactive maintenance is driving up costs.

Why It Hurts:
Inefficient FM Costs Time and Money

- Delays and time cost driven by manual reporting
- Missed incidents due to human tracking errors
- Increased costs due to longer response time

The Smart Fix:
Digital Twins Enable Virtual Operations

- Digital twins create a real-time, virtual replica for 24/7 monitoring resulting in positive enhanced performance:

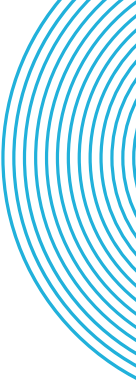| +5%-20%	-5%-15%	-15%
labour productivity (Deloitte)	facility down time (Deloitte)	energy-related expenditures (IFMA)

The Success Story:
A 30-hectare eduction campus with 49 buildings

- Digital twin technology detected incidents in just **20 seconds**—automatically scanning the entire facility in real time
- Bonus: Improved compliance with automated audit logs for security and facilities.

Make adoption feel achievable with a clear roadmap.

Your 90-day Smart Facilities Action Plan

01. Diagnose (Days 1-15)

- Pick 1 Pain Point
- Identify quick wins and 1 Gain Point.
- Gather baseline data e.g., last year's repair costs, energy bills).
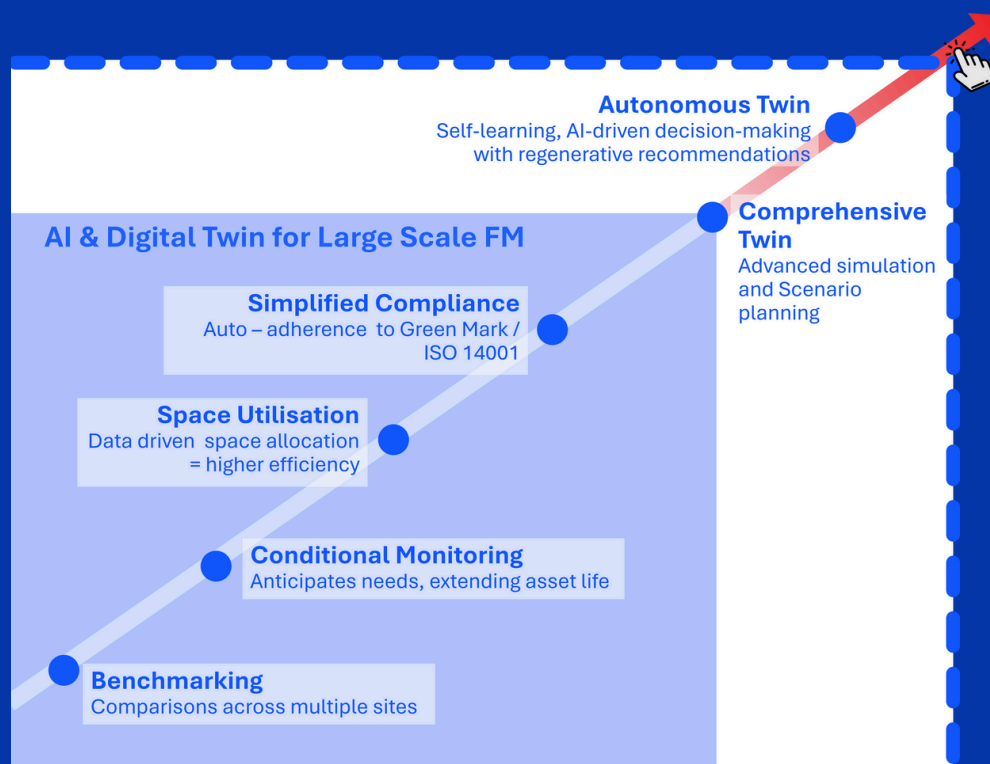
02. Pilot (Days 16-45)

- Option A (Low Budget): Test a single IoT sensor
- Option B (High Impact): Automate 1 workflow (e.g., AI-driven work order prioritization).

03. Scale (Days 46-90)

- Measure and prove ROI
- Scale beyond single facility using integrated facilities management strategy.

Scalable Impact

From single sites to nationwide portfolios - we unlock your full ROI potential using integrated facilities management.

AI & Digital Twin for Large Scale FM

Autonomous Twin
Self-learning, AI-driven decision-making with regenerative recommendations

Comprehensive Twin
Advanced simulation and Scenario planning

Simplified Compliance
Auto – adherence to Green Mark / ISO 14001

Space Utilisation
Data driven space allocation = higher efficiency

Conditional Monitoring
Anticipates needs, extending asset life

Benchmarking
Comparisons across multiple sites

Why Most Smart Facilities Projects Fail

Mistake 1

Reactive Maintenance

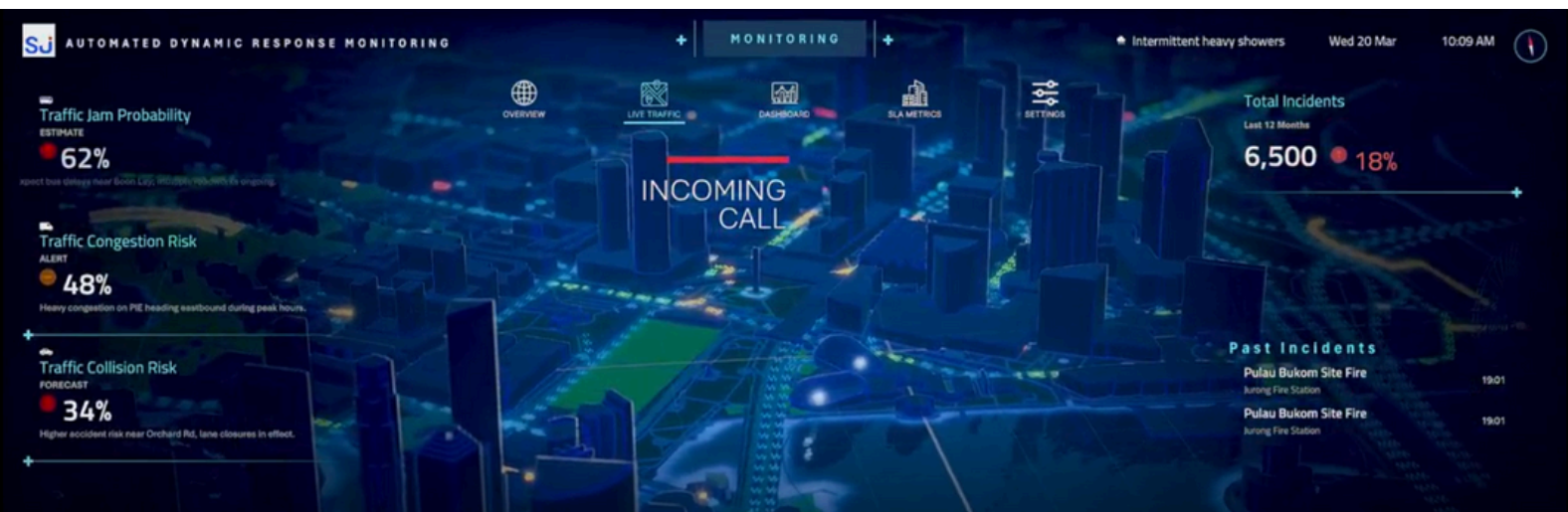**Mistake 2**

Manual Intervention

Mistake 3

Ignoring Data

How Digital Twins Fix FM Inefficiencies

Our autonomous digital twins mitigate equipment failure and avoids wasted trips for FM tech teams

AI-driven analytics turn occupancy/ energy data into cost savings

AR-guided repairs + VR training cut error rates

SJ AUTOMATED DYNAMIC RESPONSE MONITORING | MONITORING | Intermittent heavy showers | Wed 20 Mar | 10:09 AM

OVERVIEW · LIVE TRAFFIC · DASHBOARD · SLA METRICS · SETTINGS

Traffic Jam Probability
ESTIMATE
62%

Traffic Congestion Risk
ALERT
48%
Heavy congestion on PIE heading eastbound during peak hours.

Traffic Collision Risk
FORECAST
34%
Higher accident risk near Orchard Rd, lane closures in effect.

INCOMING CALL

Total Incidents
Last 12 Months
6,500 · 18%

Past Incidents
Pulau Bukom Site Fire — 19:01
Jurong Fire Station
Pulau Bukom Site Fire — 19:01
Jurong Fire Station

Ready to future-proof your facilities?
Let's discuss a tailored strategy – connect directly with our Smart Facilities Management Lead:

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