

# THE FACILITIES MANAGER'S GUIDE

**SMARTER FACILITIES.  
STRONGER PERFORMANCE.**

Optimising critical systems to reduce costs, improve reliability and future-proof your operations.

## KEY FACILITIES CHALLENGES



### UTILITIES

Managing complex utilities systems to ensure reliability and efficiency.



### BMS

Siloed building management systems limit visibility and control.



### ENERGY

Rising energy costs and inefficient usage impact your bottom line.



### INFRASTRUCTURE

Ageing infrastructure and capacity constraints increase operational risk.



### LIFECYCLE

Reactive maintenance and poor lifecycle planning drive up costs and downtime.



Stratos Control Systems helps you optimise every aspect of your facilities with integrated, reliable and future-ready solutions.

**Lower costs. Improve reliability. Extend asset life.**



**FOR:**  
FACILITIES MANAGERS  
BUILDING OPERATIONS LEADERS  
ESTATE MANAGERS  
TECHNICAL SERVICES MANAGERS



# COMPLIANCE CHALLENGES IMPACTING FACILITIES

Facilities teams are under pressure to do more with less—ensuring reliability, efficiency and compliance while managing ageing assets and increasing complexity.

Stratos Control Systems helps you overcome these challenges with integrated, data-driven solutions you can rely on.



## THIS GUIDE WILL HELP YOU:



Identify facilities challenges impacting reliability, efficiency and costs.



Understand the impact on operations, compliance and long-term value.



See how Stratos delivers measurable improvements through proven solutions.

## KEY FACILITIES PAIN POINTS



### UTILITIES

- Complex distributed systems to manage
- Manual processes and limited visibility
- Unexpected failures and downtime
- Rising costs and resource usage



**20–30%**  
of operational costs from utilities



### BMS

- Siloed systems and poor integration
- Limited real-time visibility and alarms
- Inconsistent user experience
- Difficulty maintaining custom solutions



**30–50%**  
time spent resolving alarms manually



### ENERGY

- Inefficient energy usage and waste
- Limited monitoring and analytics
- Difficulty identifying opportunities
- Increasing energy costs



**15–25%**  
potential energy cost savings



### INFRASTRUCTURE

- Ageing assets and increasing wear
- Capacity constraints impact performance
- Risk of failure and disruption
- Compliance and safety concerns



**2–4x**  
higher risk of asset failure



### LIFECYCLE

- Reactive maintenance drives up costs
- Short asset lifecycles
- Poor lifecycle planning and tracking
- Unplanned capex and downtime



**20–40%**  
increase in lifecycle costs



By addressing these pain points, you can improve reliability, reduce costs, meet compliance requirements and extend the life of your critical assets.

**Better facilities. Greater efficiency. Lower costs.**



FOR:  
FACILITIES MANAGERS  
BUILDING OPERATIONS LEADERS  
ESTATE MANAGERS  
TECHNICAL SERVICES MANAGERS



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# DOWNTIME REDUCTION

Less Downtime. More Output. Greater Efficiency.



## THE CHALLENGE

Many facilities operate with ageing PLCs, inconsistent control systems and limited diagnostic capabilities. When faults occur, engineers often spend significant time identifying root causes before repairs can begin.



## HOW STRATOS HELPS

Stratos modernises control systems using current PLC platforms, structured programming standards, improved diagnostics and standardised architectures. This enables maintenance teams to identify and resolve issues faster while reducing unexpected failures.



## TYPICAL IMPROVEMENT



**15-50%**  
reduction in  
downtime events



**30-70%**  
reduction in  
fault-finding time



## BUSINESS IMPACT

- ✓ Increased production uptime
- ✓ Reduced lost output
- ✓ Lower emergency maintenance costs
- ✓ Improved customer delivery performance

## FROM DOWNTIME TO PERFORMANCE

### BEFORE

Legacy Systems



- ✗ Long fault-finding times
- ✗ Unexpected breakdowns
- ✗ Reactive maintenance
- ✗ Lost production
- ✗ Higher costs

### AFTER

Stratos Modernised Systems



- ✓ Fast fault-identification
- ✓ Fewer unexpected failures
- ✓ Proactive maintenance
- ✓ Increased uptime
- ✓ Lower operating costs

## IMPROVING UPTIME. DRIVING RESULTS.

■ Downtime Events  
— Fault-Finding Time



UP TO  
**50%**  
FEWER DOWNTIME  
EVENTS

UP TO  
**70%**  
FASTER  
FAULT-FINDING



**REDUCE DOWNTIME**  
Keep production running.



**IMPROVE RELIABILITY**  
Modern systems.  
Fewer failures.



**BOOST PRODUCTIVITY**  
More uptime.  
More output.



**LOWER COSTS**  
Fewer emergencies.  
Lower maintenance spend.



**DELIVER PERFORMANCE**  
Meet commitments.  
Build customer trust.



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# DATA VISIBILITY & OPERATIONAL INSIGHT

See More. Understand More.  
Perform Better.

Real-time data and operational insights empower your team to make faster, smarter decisions and drive continuous improvement.



REAL-TIME DATA



SMARTER DECISIONS



BETTER PERFORMANCE



## THE CHALLENGE

Many facilities lack meaningful operational data, making improvement initiatives difficult.



## HOW STRATOS HELPS

SCADA systems, reporting tools and monitoring solutions provide real-time operational visibility across your plant.

### REAL-TIME VISIBILITY ACROSS YOUR OPERATION



PRODUCTION PERFORMANCE



EQUIPMENT STATUS



ALARMS & EVENTS



ENERGY & UTILITIES



TRENDS & REPORTING

✔ One source of truth. Complete operational clarity.

## TYPICAL IMPROVEMENT



### FASTER ACCESS TO PERFORMANCE DATA

Dashboards and reports provide real-time data at your fingertips.



### IMPROVED DECISION-MAKING SPEED

The right information, available when you need it.



### ENHANCED ROOT CAUSE ANALYSIS

Historical data and event tracking make it easier to identify and resolve issues.

## BUSINESS IMPACT



### BETTER PRODUCTION MANAGEMENT

- ✔ Monitor performance in real time
- ✔ Identify bottlenecks and losses
- ✔ Drive continuous improvement



### FASTER ISSUE RESOLUTION

- ✔ Detect problems sooner
- ✔ Reduce downtime and disruptions
- ✔ Improve team response



### MORE INFORMED INVESTMENT DECISIONS

- ✔ Data-driven prioritisation
- ✔ Clear ROI justification
- ✔ Invest with confidence



SEE IT. UNDERSTAND IT.  
IMPROVE IT.  
TURN DATA INTO RESULTS.



REAL-TIME VISIBILITY



CENTRALISED DATA



PROACTIVE ALERTS



ACTIONABLE INSIGHTS



MEASURABLE RESULTS



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# PRODUCTION EFFICIENCY & PROCESS PERFORMANCE

Consistent Control.  
Improved Performance.  
Stronger Results.

Stratos delivers automation solutions that improve process control, increase consistency and maximise equipment performance.



**PRECISE CONTROL**  
Better control of process variables



**REAL-TIME VISIBILITY**  
Actionable data for quicker decisions



**STABLE & REPEATABLE**  
Consistent results, every time



## THE CHALLENGE

Inconsistent automation systems often result in variable process performance and reduced productivity.



## HOW STRATOS HELPS

Improved process control, modern PLC systems and enhanced visibility increase consistency and repeatability.

### OUR APPROACH



**Analyse**  
Understand current performance



**Optimise**  
Improve control strategies & processes



**Implement**  
Modern systems & real-time visibility

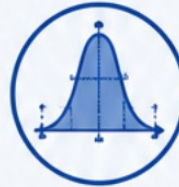


**Sustain**  
Monitor, refine and drive continuous improvement



BETTER CONTROL. BETTER PERFORMANCE. BETTER RESULTS.

## TYPICAL IMPROVEMENT



### REDUCED PROCESS VARIABILITY

Tighter control leads to more stable, predictable performance.



### IMPROVED PRODUCTION CONSISTENCY

More consistent output quality and throughput.



### HIGHER OVERALL EQUIPMENT EFFECTIVENESS

Improved Availability, Performance and Quality across the plant.

## BUSINESS IMPACT



### INCREASED THROUGHPUT

- More output with the same assets
- Better cycle times and less downtime



### IMPROVED PRODUCT QUALITY

- Consistent processes reduce defects
- Better compliance and customer satisfaction



### BETTER UTILISATION OF ASSETS

- Maximise the value of your existing equipment
- Lower operating costs and higher returns



OPTIMISE TODAY.  
PERFORM BETTER TOMORROW.



DATA-DRIVEN DECISIONS



STRONGER PROCESSES  
BETTER OUTCOMES



SUSTAINABLE RESULTS  
YOU CAN RELY ON



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# SPARE PARTS MANAGEMENT

**Standardise Today.  
Reduce Inventory. Lower Costs.**

Managing spare parts doesn't have to be complex or costly. Stratos helps you streamline your inventory and focus on what matters most.



**RIGHT PART. RIGHT TIME.  
LOWER COST. LESS RISK.**



## THE CHALLENGE

Legacy systems often contain multiple hardware platforms and obsolete components requiring extensive spare inventories.



## HOW STRATOS HELPS

Standardisation reduces hardware diversity and simplifies inventory requirements.

## TYPICAL IMPROVEMENT



**15-40%**

**REDUCTION IN SPARE PARTS INVENTORY REQUIREMENTS**

Fewer parts. Less inventory. Lower cost.

## HOW STANDARDISATION DELIVERS VALUE



**REDUCED HARDWARE DIVERSITY**  
Fewer platforms mean fewer spare parts.



**SIMPLIFIED INVENTORY MANAGEMENT**  
Easier to track, manage and forecast.



**LOWER HOLDING COSTS**  
Less capital tied up in excess inventory.



**REDUCED OBSOLESCENCE RISK**  
Current platforms with long-term support.

## FROM COMPLEX TO SIMPLE

**BEFORE**

Multiple Platforms  
High Inventory



**AFTER**

Standardised Platform  
Optimised Inventory



## BUSINESS IMPACT



**REDUCED INVENTORY HOLDING COSTS**

- ✓ Lower capital commitment
- ✓ Reduced storage requirements
- ✓ Less waste and write-offs



**EASIER PARTS SOURCING**

- ✓ Common components
- ✓ Multiple supplier options
- ✓ Faster lead times



**LOWER OBSOLESCENCE RISK**

- ✓ Proven, current technology
- ✓ Planned lifecycle support
- ✓ Fewer urgent replacements



**STANDARDISE. SIMPLIFY.  
SAVE TODAY. STAY READY FOR TOMORROW.**



STANDARDISED PLATFORMS



OPTIMISED INVENTORY



REDUCED COSTS



IMPROVED RELIABILITY



# MULTI-SITE STANDARDISATION

**One Standard.  
Every Site. Better Together.**

Standardised automation solutions that simplify operations, improve consistency and deliver long-term value across your entire facility network.



**ONE STANDARD. EVERYWHERE.  
CONSISTENT. RELIABLE. SCALABLE.**



## THE CHALLENGE

Different sites often use different PLC platforms, panel standards and control philosophies.



## HOW STRATOS HELPS

Stratos develops standardised automation architectures that can be deployed across multiple facilities.

### OUR STANDARDISATION APPROACH



**DEFINE STANDARDS**  
Common architectures and interfaces



**DESIGN ONCE**  
Standard panels, code and documents



**DEPLOY ANYWHERE**  
Consistent implementation across sites



**SUPPORT EVERY SITE**  
Simplified support and maintenance



Standard by design. Built for performance. Deployed at scale.

## TYPICAL IMPROVEMENT



**50-80%**  
IMPROVEMENT IN  
PANEL BUILD CONSISTENCY

Standard designs and build processes deliver consistent quality every time.



**FASTER SUPPORT AND  
MAINTENANCE ACROSS SITES**

Common platforms, code and documentation mean faster diagnosis and resolution.



**EASIER SCALABILITY AND  
REPLICATION**

New sites and projects benefit from proven, repeatable solutions.

## BUSINESS IMPACT



### REDUCED SUPPORT COMPLEXITY

- ✓ Fewer platforms to support
- ✓ Common tools and training
- ✓ Lower spare parts diversity



### EASIER ENGINEER MOBILITY

- ✓ Engineers can work across sites
- ✓ Less re-training and ramp-up time
- ✓ Stronger workforce flexibility



### LOWER LIFECYCLE COSTS ACROSS THE ESTATE

- ✓ Economies of scale in design and build
- ✓ Reduced maintenance overhead
- ✓ Lower total cost of ownership



**ONE STANDARD.  
EVERY SITE.  
STRONGER TOGETHER.**



STANDARD ARCHITECTURES



STANDARD DOCUMENTATION



STANDARD CODE LIBRARIES



STANDARD PROCESSES



CONSISTENT PERFORMANCE



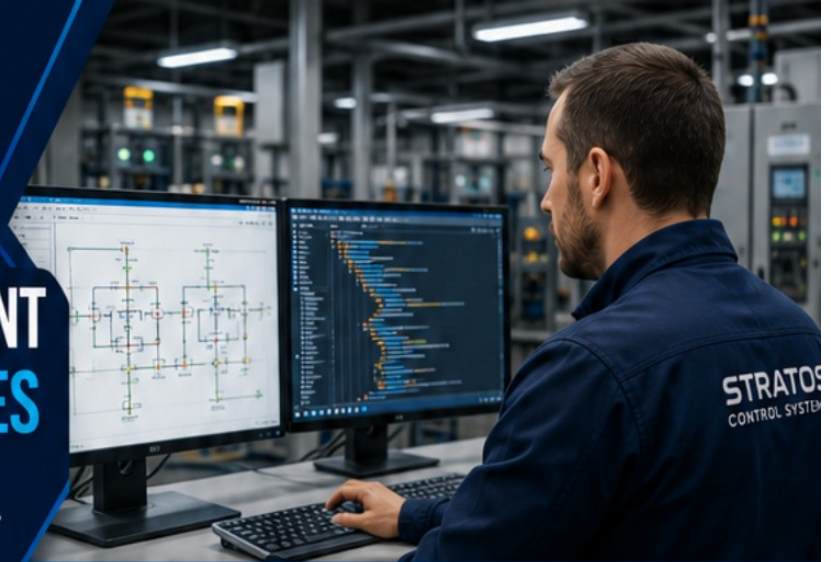
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## CHANGE MANAGEMENT & FUTURE UPGRADES

Designed for Change. Built for the Future.

Stratos designs and documents control systems so changes and upgrades are easier, faster and lower risk — today and in the future.



MODULAR  
BY DESIGN



EASY TO  
CHANGE



BUILT FOR  
TOMORROW



### THE CHALLENGE

Many organisations find even small modifications difficult because systems are poorly documented and inconsistent.



### HOW STRATOS HELPS

Modular designs, standardised programming and comprehensive documentation make future upgrades simpler and lower risk.

#### DESIGNED FOR EASY CHANGE



MODULAR  
ARCHITECTURE



STANDARDISED  
PROGRAMMING



COMPREHENSIVE  
DOCUMENTATION



REUSABLE  
COMPONENTS



SCALABLE FOR  
FUTURE NEEDS

SMALL CHANGES TODAY. BIG BENEFITS TOMORROW.

### TYPICAL IMPROVEMENT



**30-60%**

REDUCTION IN  
UPGRADE PROJECT RISK

Lower risk through consistent designs, standards and clear documentation.



FASTER  
IMPLEMENTATION OF  
FUTURE IMPROVEMENTS

Changes can be delivered quicker with less rework and downtime.

### BUSINESS IMPACT



LOWER  
LIFECYCLE COSTS

- ✓ Easier, lower-cost upgrades
- ✓ Less rework and re-engineering
- ✓ Lower total cost of ownership



REDUCED FUTURE  
PROJECT COMPLEXITY

- ✓ Clear structure and documentation
- ✓ Faster scoping and planning
- ✓ Simpler testing and commissioning



GREATER OPERATIONAL  
FLEXIBILITY

- ✓ Adapt quickly to changing needs
- ✓ Easier integration of new technologies
- ✓ Future-proofed operations



CHANGE WITH CONFIDENCE.  
UPGRADE WITH EASE.  
FUTURE-READY BY DESIGN.



DOCUMENTED  
& TRACEABLE



LOWER RISK  
CHANGES



LESS DOWNTIME  
& DISRUPTION



BUILT FOR  
CONTINUOUS  
IMPROVEMENT

# THE OVERALL RESULT

Measurable impact. Real business value.  
Across every part of your operation.



**BETTER AUTOMATION.**  
**BETTER OUTCOMES.**

## TYPICAL IMPROVEMENTS ACHIEVED WITH STRATOS



**15–50%**  
**FEWER DOWNTIME INCIDENTS**

Improved reliability and greater uptime.



**30–70%**  
**FASTER FAULT FINDING**

Quickly identify issues and resolve faster.



**20–40%**  
**LOWER MAINTENANCE EFFORT**

More efficient processes and better systems.



**20–50%**  
**LOWER SUPPORT COSTS**

Reduced reactive support and external dependency.



**30–60%**  
**LOWER PROJECT RISK**

Better planning, standardisation and proven approaches.



**40–70%**  
**LESS AUDIT PREPARATION EFFORT**

Well-documented systems ready when you are.



**30–60%**  
**FASTER ENGINEER ONBOARDING**

Standardised systems are easier to learn and use.



**15–40%**  
**LOWER SPARE PARTS INVENTORY**

Fewer parts, lower inventory and less obsolescence risk.



**50–80%**  
**GREATER STANDARDISATION ACROSS FACILITIES**

Consistent architectures, designs and standards.

## THE RESULT FOR YOUR BUSINESS



**MORE RELIABLE OPERATIONS**

Reduced interruptions and greater stability.



**HIGHER PRODUCTIVITY AND PERFORMANCE**

Systems that enable your people to perform at their best.



**LOWER TOTAL COST OF OWNERSHIP**

Efficient to operate, support and grow.



**STRONGER, MORE RESILIENT TEAMS**

Empowered engineers and sustainable processes.



**SUSTAINABLE FUTURE**

Better outcomes for your business and the planet.



The result is not simply better automation—  
**it is a more efficient, reliable and maintainable operation that costs less to support throughout its lifecycle.**

# THE STRATOS DIFFERENCE

Unlike many automation providers who focus solely on project delivery, Stratos Control Systems focuses on the entire lifecycle of your automation systems.

## OUR GOAL IS SIMPLE:

To help industrial organisations spend **less** time firefighting, less money maintaining ageing systems and **more** time operating efficient, reliable and scalable facilities.

## REAL OUTCOMES. LASTING IMPACT.



### REDUCE DOWNTIME

Improve reliability and keep operations running.



### IMPROVE ENGINEERING EFFICIENCY

Spend less time on reactive issues and more on improvement.



### LOWER LIFECYCLE COSTS

Reduce maintenance, support and upgrade costs.



### SIMPLIFY SYSTEM SUPPORT

Standardised systems and documentation for long-term ease and flexibility.



### SCALE WITH CONFIDENCE

Future-ready solutions that grow with your business.



#### STANDARDS-BASED AUTOMATION

Consistent. Reliable. Future-ready.



#### CONTROL PANEL DESIGN & BUILD

Built to standards. Built to last.



#### PLC SYSTEM UPGRADES

Modernise without disruption.



#### SCADA & SYSTEM INTEGRATION

Visibility that drives better decisions.



#### LIFECYCLE SUPPORT

Support that goes beyond go-live.



#### DOCUMENTATION THAT DELIVERS

Clear. Complete. Compliant.



We help manufacturers spend **less time** firefighting, **less money** maintaining ageing systems and **more time** running efficient, reliable operations.

