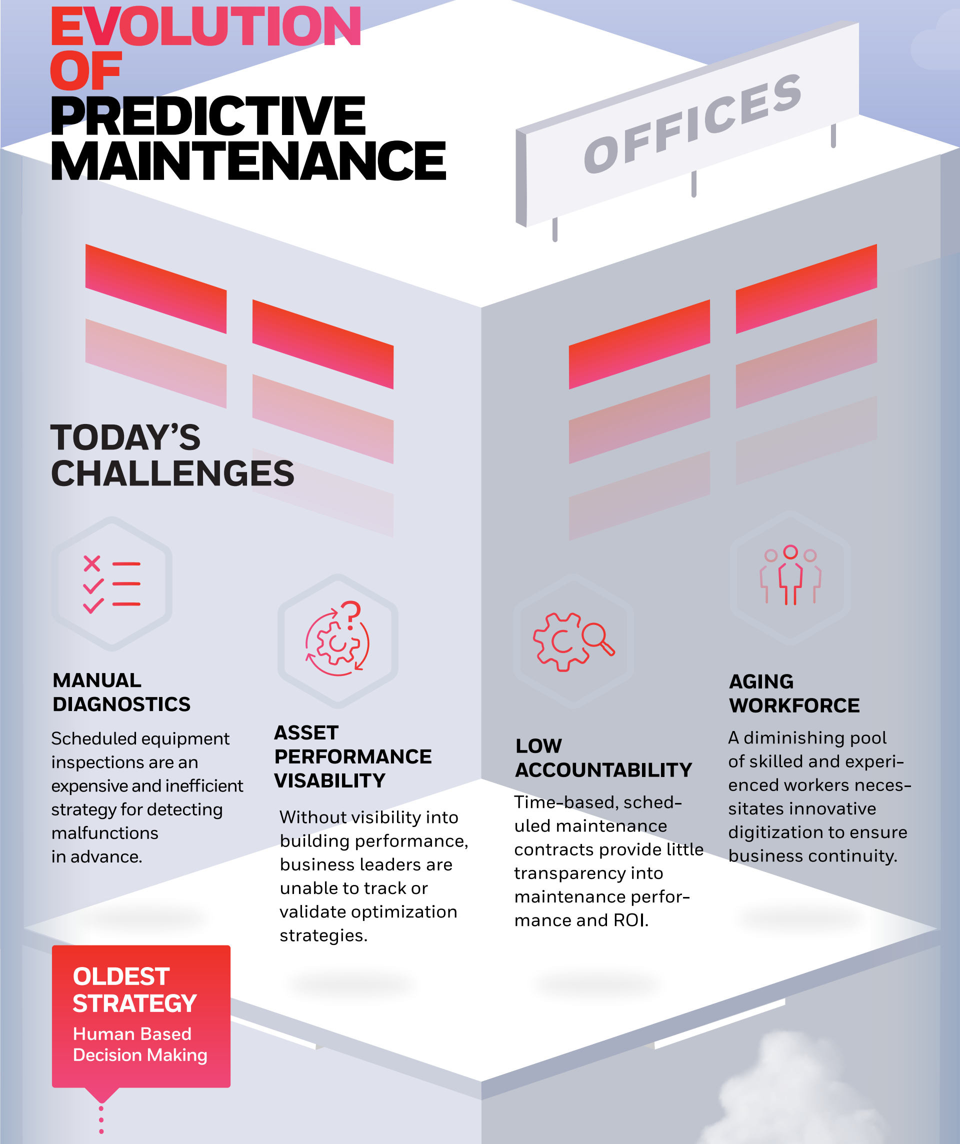
HONEYWELL FORGE

THE EVOLUTION OF PREDICTIVE MAINTENANCE



TODAY'S CHALLENGES

MANUAL DIAGNOSTICS

Scheduled equipment inspections are an expensive and inefficient strategy for detecting malfunctions in advance.

ASSET PERFORMANCE VISABILITY

Without visibility into building performance, business leaders are unable to track or validate optimization strategies.

LOW ACCOUNTABILITY

Time-based, scheduled maintenance contracts provide little transparency into maintenance performance and ROI.

AGING WORKFORCE

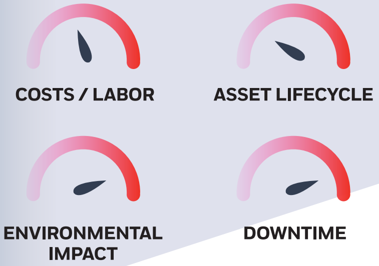
A diminishing pool of skilled and experienced workers necessitates innovative digitization to ensure business continuity.

OLDEST STRATEGY

Human Based Decision Making

REACTIVE MAINTENANCE

This is the simplest maintenance strategy. Assets are deliberately allowed to operate until they break down.

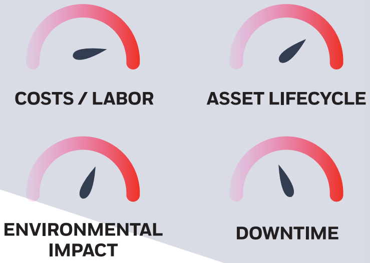


OUTCOME

Run-to-fail strategies reduce regular operating costs but leave companies at a higher risk for asset failures which can impeade business continuity.

PREVENTATIVE MAINTENANCE

Regularly scheduled maintenance checks on building equipment components to reduce the likelyhood of failure.

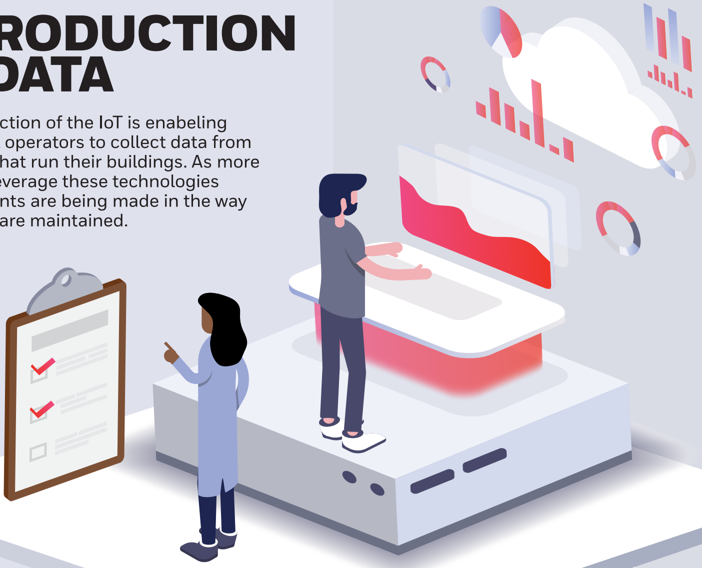


OUTCOME

Regular, manual service checks can identify weak components and avoid asset failures but incur inefficient labor costs with little transparency into outcomes.

THE INTRODUCTION OF DATA

The introduction of the IoT is enabeling commercial operators to collect data from the assets that run their buildings. As more operators leverage these technologies advancements are being made in the way that assets are maintained.



WHAT CAN YOU DO WITH IT?

GAIN VISIBILITY INTO PERFORMANCE METRICS

- Comfort Levels
- Energy Consumption
- Asset Availability
- Service Case Performance

GET ALERTED BEFORE THINGS BREAK DOWN

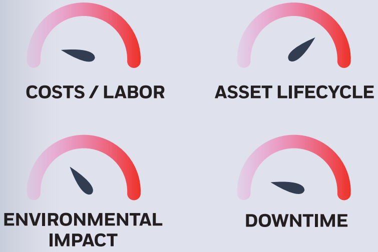
- Technician Guidance
- Subtle Issue Discovery

BASE YOUR DECISIONS ON THE DATA

- Asset Monitoring
- Dynamic Tasking

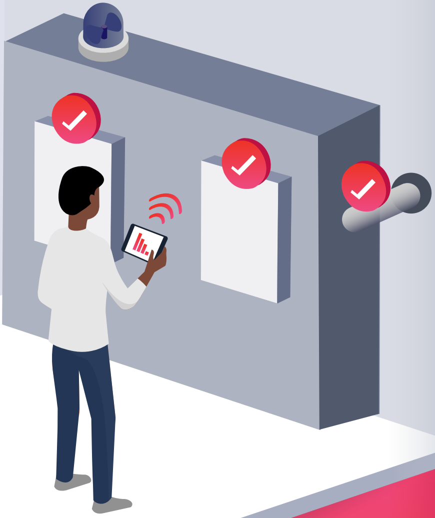
DIGITIZED MAINTENANCE

Leveraging data analytics to identify component faults replaces the need for manual discovery and reduces labor costs.



OUTCOME

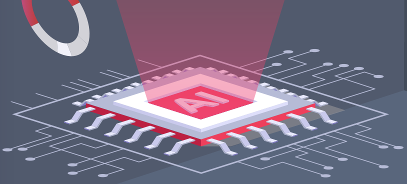
Reduced dependancy on manual diagnostics enables a just-in-time maintenance model powered by model-based analytics.



INTELLIGENCE-BASED DECISION MAKING

PREDICTIVE MAINTENANCE IS THE FUTURE

Predictive maintenance goes further than pre-fault alerts. Putting your asset performance data to work with a predictive intelligence enables maintenance predictions that transform the way you increase uptime and extend the life of your equipment.



COSTS / LABOR

ASSET LIFECYCLE

ENVIRONMENTAL IMPACT

DOWNTIME

BENEFITS OF INNOVATION

Removing the limitations inherent in human decisioning transforms the way companies manage and pay for maintenance. Intelligent predictions render preventative maintenance contracts obsolete and improve asset uptime and lifetime. Then the entire business benefits with improved occupant experience and productivity, reduced energy consumption and stronger cashflow.

OPEX

Reduced maintenance and energy costs

REVENUE

Consistent business continuity

REPUTATION

Improved occupant experience and productivity

CAPEX

Increased asset lifecycles

LET’S CONNECT

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Honeywell

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