HONEYWELL
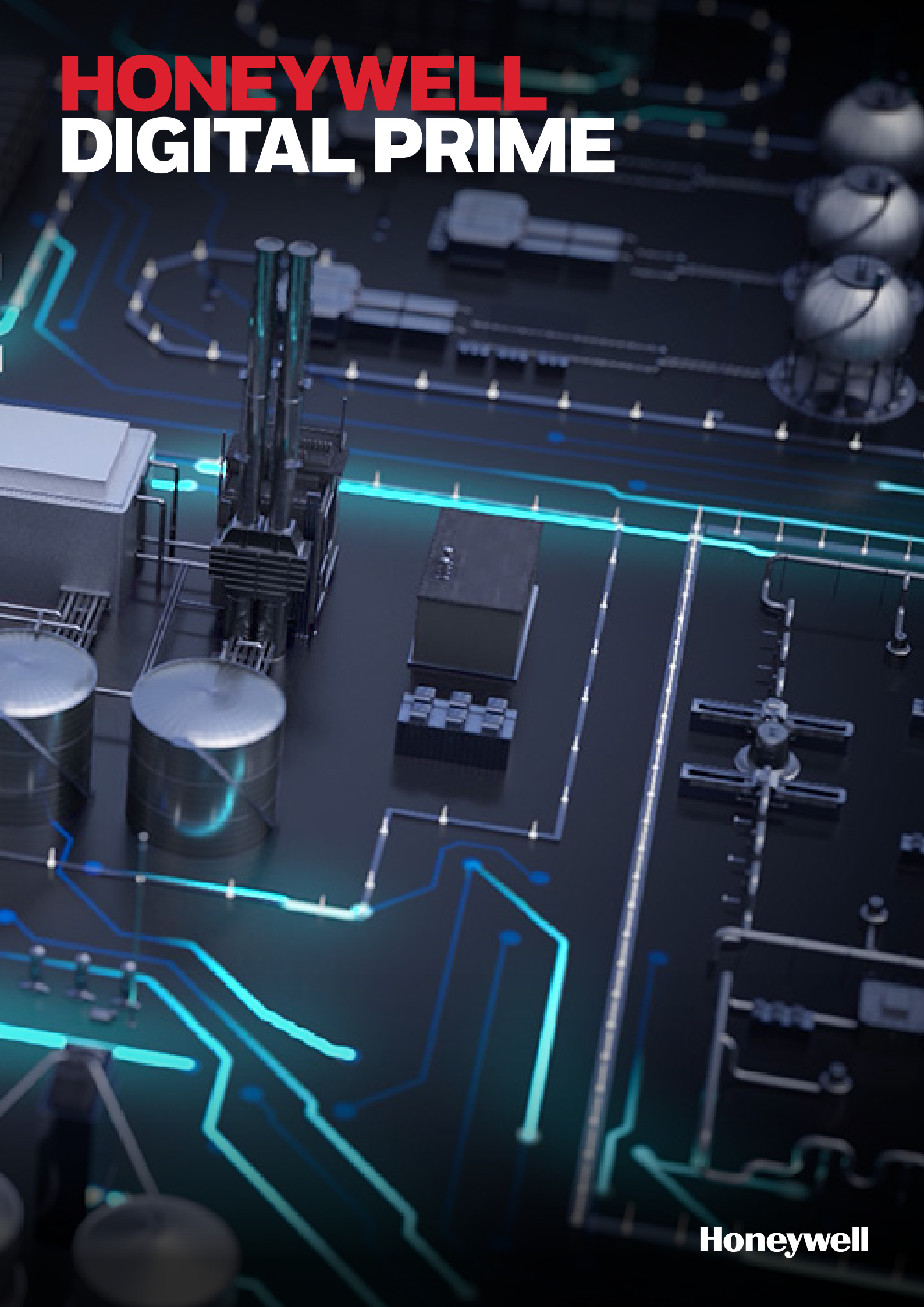# DIGITAL PRIME

Honeywell

Honeywell's Digital Prime is the up-to-date digital twin for tracking, managing and testing process control changes and system modifications. It's the lab system you wish you had.
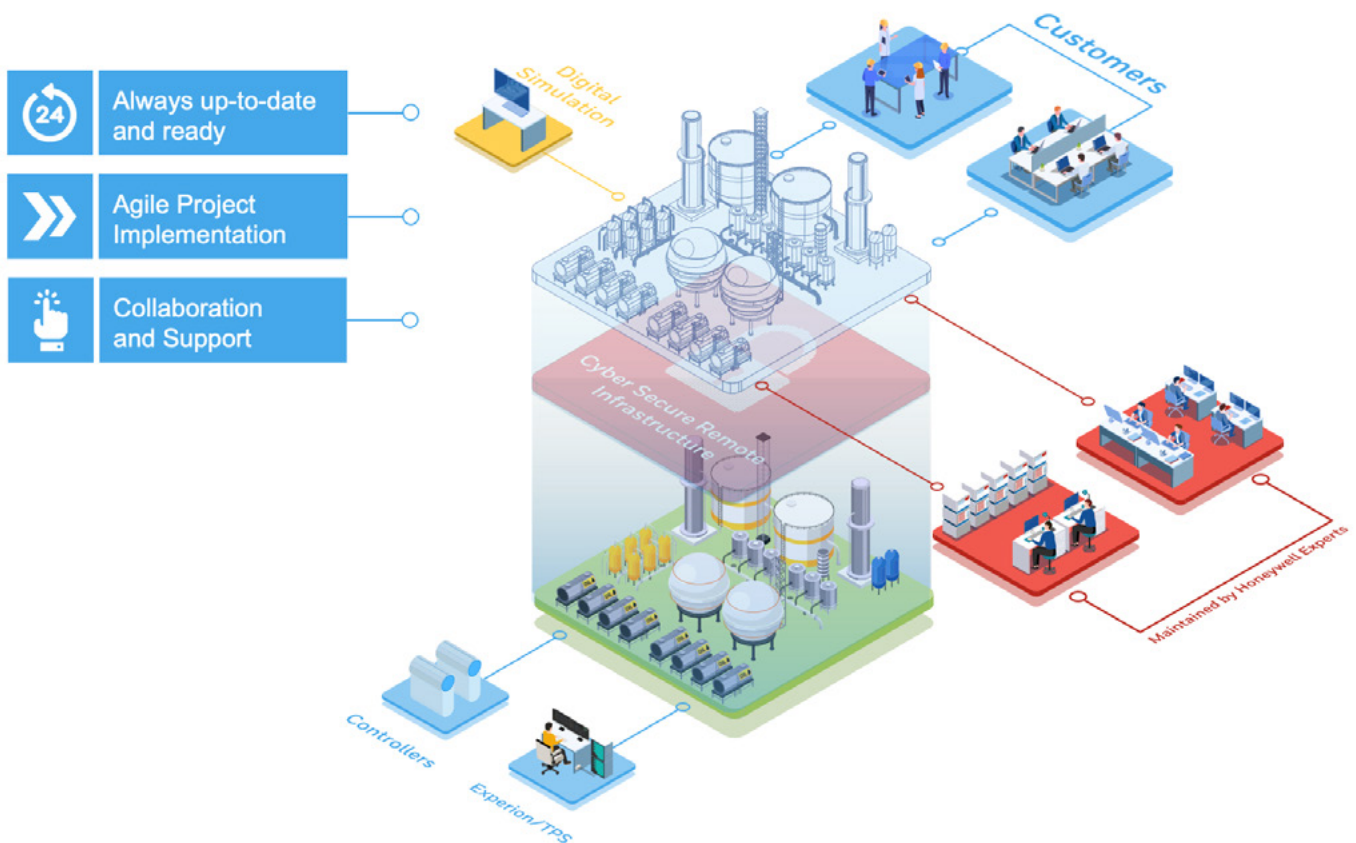
Promoting safer engineering and services, Digital Prime brings the highest level of quality control to the smallest projects: An efficient, compliant and collaborative solution for managing changes, factory acceptance tests, improved project execution and training.

BUILDING UP PROBLEMS

System changes need testing before implementation to avoid process disruptions or potential safety incidents. Best practice also increasingly demands a well-documented digital management of change (MOC) process.Systems replicating the operating environment can provide a safe environment for testing changes without risking disruption to the live operation. However, even where a lab system is in place, over time it will fail to reflect the modifications, updates, upgrades and expansions that occur, diminishing its utility.

For smaller projects and regular testing of new hot fixes and back-ups, building a new digital twin is simply impractical. Projects are executed and tested on the live system, contributing to problems, disruption and delays.

Always up-to-date and ready

Agile Project Implementation

Collaboration and Support

Digital Simulation

Customers

Cyber Secure Remote Infrastructure

Maintained by Honeywell Experts

Controllers

Experion/TPS

EVER-READY, ALWAYS UPDATED

Honeywell's Digital Prime is the always-up, always-accurate "lab system as a service" that users can access from across the enterprise to test, tweak and train. A subscription service providing a faithful replica of the current system, Digital Prime lets users swiftly identify engineering anomalies, and conduct configuration compliance checks. It prevents the errors and issues that contribute to operating problems and poor control.

Providing secure cloud-based connectivity and a virtual engineering platform, it's a collaborative environment for managing and testing additions, patches, upgrades and other system changes:

- Enabling functional reviews and impact analysis
- Supporting remote FAT tests
- Providing a training tool
- Documenting digital changes.

PROVEN SOLUTIONS FOR CHANGE

Digital Prime is supported by Honeywell's proven and powerful solutions for project testing and execution, included as standard.

VERSATILE VALUE ACROSS THE LIFECYCLE

Honeywell Digital Prime provides an ever-present consistent control system twin users will draw on throughout the lifetime of a project and the plant.

Engineering and design

With digital "as built" and a timeline of design specification requirements snapshotted on a virtual environment; automated engineering anomaly detection; and digital documentation for projects:

- Eliminate the need for rework on-site
- Get projects right first time
- Ensure execution quality
- Cut costs and simplify system documentation updates.
- Historical view of the evolution of control changes

Project execution and testing

Centralizing planning and resource allocation; providing visibility of project status and changes; enabling remote FAT; ensuring compliant MOC processes:

- Collaborate more effectively
- Push through projects
- Cut travel costs and time
- Ensure compliance with detailed design specifications
- Reduce risks from uncontrolled deployment.

CYBER SECURE REMOTE INFRASTRUCTURE

Honeywell managed cloud platform is fortified with robust IT security practices, ensuring a secure and reliable environment for its users. A key aspect of this security framework is the implementation of data isolation, where customer data is completely segregated within their respective tenancies, guaranteeing privacy and confidentiality.

The platform prioritizes secure cloud connectivity via HTTPS and port 443, utilizing stringent measures to safeguard against potential threats. Authentication is streamlined through Honeywell IT-managed Single Sign-On service, enhancing user access controls and minimizing security vulnerabilities. Further strengthening access controls, authorization to both site and data is meticulously managed through Honeywell Forge based authorization, ensuring a granular and precise level of access.

Communication channels are secured via a dedicated and secure port, specifically 443, including Virtual Machine access, to fortify against unauthorized access attempts. Additionally, the platform upholds a stringent data encryption policy, ensuring that all data, whether at rest or in transit, is encrypted, thereby safeguarding sensitive information throughout its lifecycle. This comprehensive security approach underscores Honeywell commitment to providing a resilient and secure cloud computing environment for its users.

- **ALWAYS-UP**
  A secure service providing instant access to a digital twin for users across the enterprise

- **ALWAYS UP-TO-DATE**
  Full lab system with regular updates using EBR backups to continually reflect the current control system configuration

- **VERSATILE FUNCTIONALITY**
  Engineering, design, project execution, testing and training

- **EFFICIENT DEPLOYMENT:**
  Subscription-based, access anywhere.

40%
REDUCTION
IN REACTIVE
MAINTENANCE

50%
ACCELERATION
IN DEPLOYMENT TIME

20%
INCREASE
IN PRODUCTIVITY
AND ENGINEERING
COMPETENCY

WHY HONEYWELL

Experts in automation, leaders in technology, Honeywell's solutions and services are respected worldwide. We help industrial operators build safer, sustainable, more reliable, efficient and profitable operations.

We combine decades of experience with up-to-the-minute solutions for digital transformation. For connectivity, insights and control, Honeywell has answers to the most complex automation challenges. Our portfolio spans industrial measurement, control and safety systems, thermal solutions, terminal automation, analytics, cybersecurity, industrial software and connectivity.

Cutting-edge technology is backed by market-leading support. Our TotalCare offering and services and Global Technical Support teams are always on hand to help with any problems encountered.

In over 125 countries, Honeywell serves customers working in oil & gas, energy, utilities, chemicals, pharmaceuticals, minerals and mining, food and beverages and dozens of other industries. Across industries, across continents, Honeywell helps build better businesses.

For more information

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