

Automate the Path from Source Change to Evidence from Real Hardware

Connect software development, target hardware and validation workflows through a controlled automation framework designed around your existing engineering environment.

Modern embedded development requires repeatable validation that connects software changes, physical targets and engineering evidence. Fragmented workflows and manual deployment introduce delay and operational variability.

Bytecraft DevOps & HIL Automation transforms build, deployment and hardware validation activities into a controlled and repeatable engineering process.

KEY BENEFITS

Faster Engineering Feedback

Reduce delay between software changes and validation results.

Repeatable Validation

Apply consistent deployment, execution and reporting workflows.

Improved Hardware Utilisation

Coordinate validation across shared targets and laboratory resources.

Engineering Traceability

Collect and organise validation evidence throughout the lifecycle.

FROM SOURCE CHANGE TO HARDWARE EVIDENCE.

TRANSFORM VALIDATION INTO A CONTROLLED ENGINEERING WORKFLOW

A structured validation pipeline connects software changes, physical targets and engineering evidence within a single operational framework.



VALIDATION WORKFLOW

01 Source Change

02 Build Execution

03 Artifact Preparation

04 Target Allocation

05 Automated Deployment

06 HIL Validation

07 Evidence Collection

08 Reporting & Quality Gates

DESIGNED FOR

- Aerospace & Defence
- Railway Systems
- Automotive
- Industrial Embedded Systems
- Semiconductor & FPGA Development

BUSINESS OUTCOMES

- Reduced validation cycle times
- Improved test repeatability
- Consistent engineering evidence
- Improved release confidence
- Scalable validation operations

TOOLCHAIN-INDEPENDENT BY DESIGN | Integrated with existing repositories, build systems, targets and validation environments.