



Unified Robot Control

Simplify machines and get more from your robots

How are unified solutions changing the game?

Industrial robots can be powerful assets in helping companies achieve their most important production goals. But the value they deliver can be held back when the system design consists of disparate systems for robot and machine control. With unified robot control, you can breakdown these productivity barriers to:

**Deliver new
operational value**

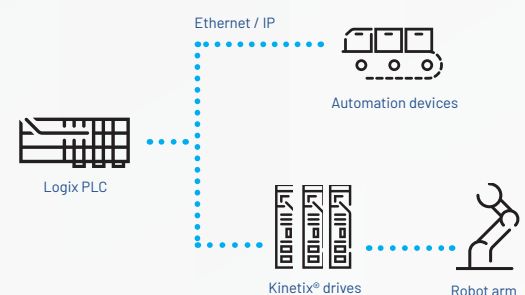
**Streamline work and
enable collaboration**

**Drive flexibility and
speed innovation**

Optimizing the robot system control architecture

Unified robot control eliminates disparate robot and machine control systems by using a Logix controller, Kinetix® drives and the Studio 5000® environment to control one or multiple robots.

The Logix controller hosts the robot kinematics, and the full program is made in Studio 5000® to direct all robot movement without the use of a dedicated robot controller. Simply select your robot mechanics from one of our unified robot control partners and comprehensively control your system using a Rockwell Automation solution.



One control platform, endless possibilities



Launch projects faster

- Write, test and refine all control code within the Studio 5000 environment
- Use our configuration workflow to generate Logix and HMI projects
- Virtually commission systems with Emulate3D™ software integration



Optimize performance

- Better synchronize robots and surrounding devices such as independent cart technology
- Easily exchange important data between machines
- Control one or multiple robots with a single Logix controller



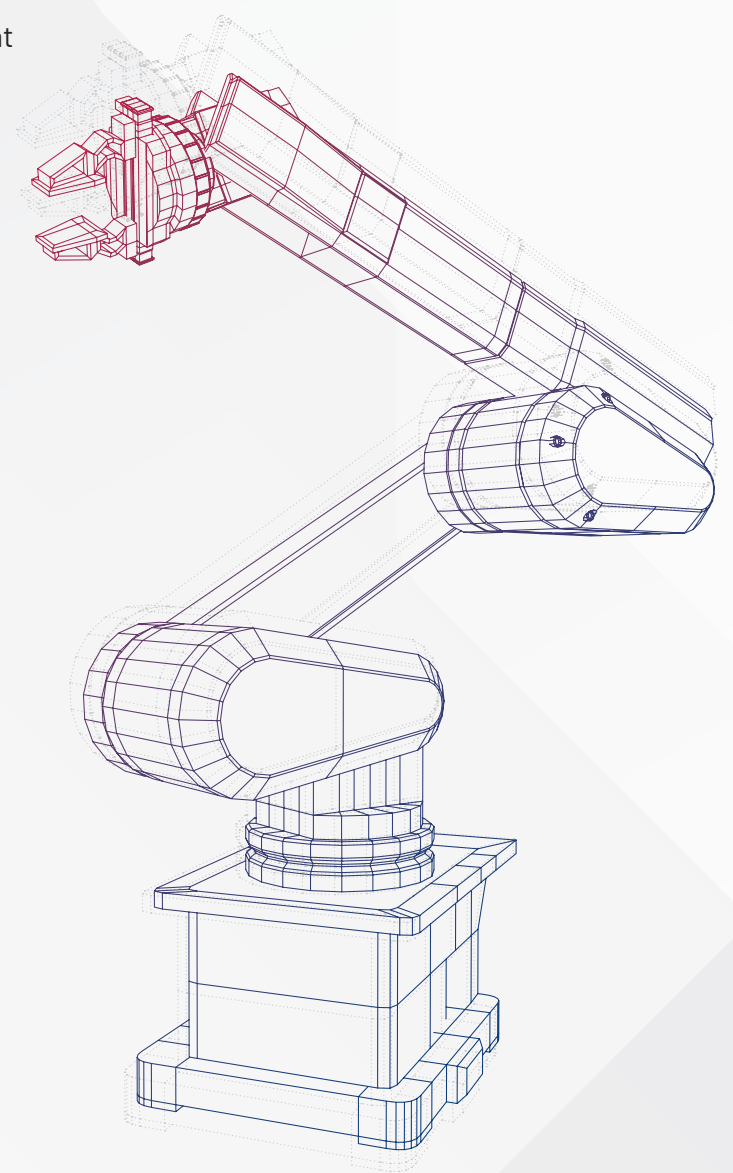
Empower teams

- Create robot experts from those already proficient in the Studio 5000 environment
- Use one operating environment for complete system control
- Eliminate the need to train and learn third-party robot programs



Deliver more value

- Build more compact systems by removing dedicated robot controllers
- Select from multiple robot geometries across our Technology Partners and control them in one solution
- Design with common components that support your automation systems facility-wide



Premier Integration

A faster, more intuitive way to develop robot systems

1

Select your robot and approve linked components

- Generate your solution using Integrated Architecture® Builder
- Populate a bill of materials, solution summary and documentation



2

Generate your project

- Configure your robot solution from the library
- Produce HMI and .ACD files
- Generate visualization screens



3

Validate your solution

- Overall device status
- Path configuration
- Homing
- Break control
- Robot status
- Basic diagnostics



4

Perform your robot operation

- Hardware compatibility
- Module setting
- Calibration
- Jogging
- Basic diagnostics



5

Deploy your solution

- Use Application Code Manager for:
 - Library instructions
 - Working with frames
 - Working with tracking
- Run your solution

