

always in control

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Fast, Fast, Fast

Fast to DESIGN

Fast to TEST

Fast to CONTROL





MOTION



One Automation Platform

The next generation in machine control

Fast and accurate controllers, one machine network for the entire machine and a completely new integrated software.



Sysmac Studio Automation Software



One Connection

Fastest connection to any device

An open industrial Ethernet-based network Connect seamlessly to all devices in the machine



Open network for machine control Fastest network Up to 192 Nodes



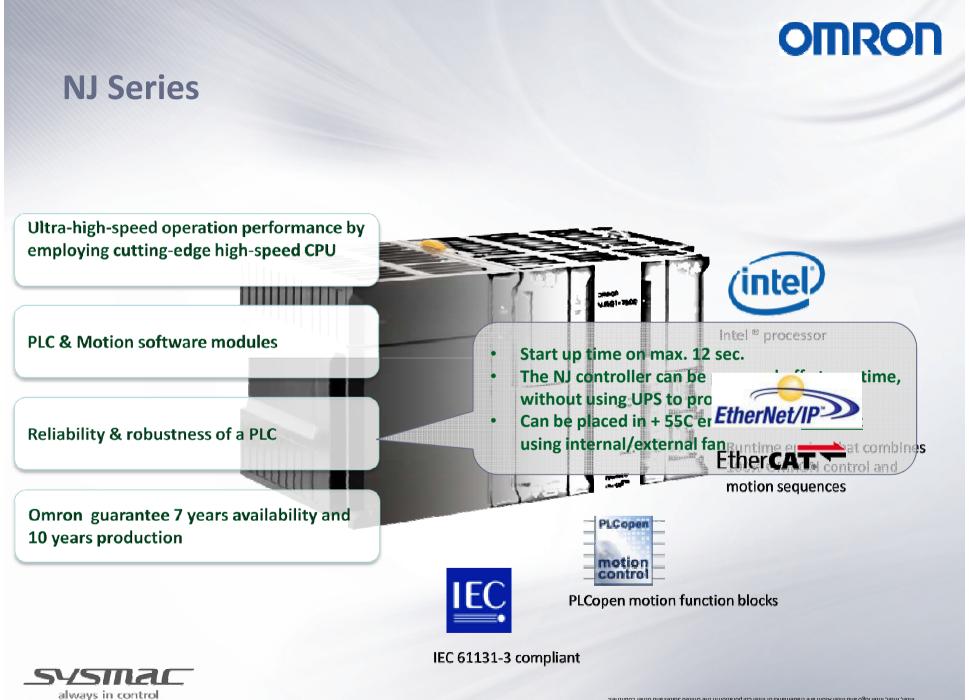
Open Network for Information and Communication



NJ Series

Machine Automation Controller

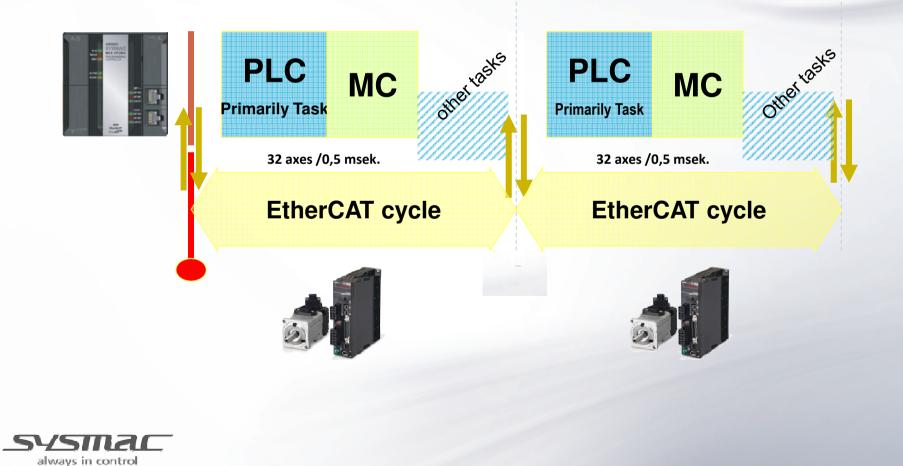




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The outstanding performance

The programs in the NJ controller are perfectly synchronised with the EtherCAT cycle



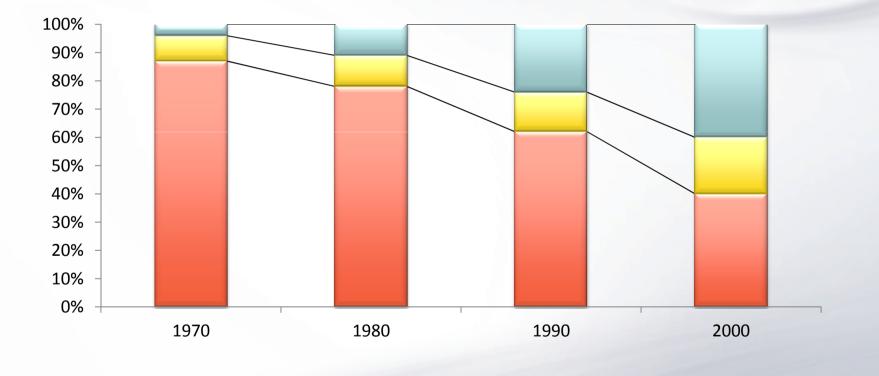


Sysmac Studio

One Automation Software



Software cost in procent of the total project costs (source: McKinsey)

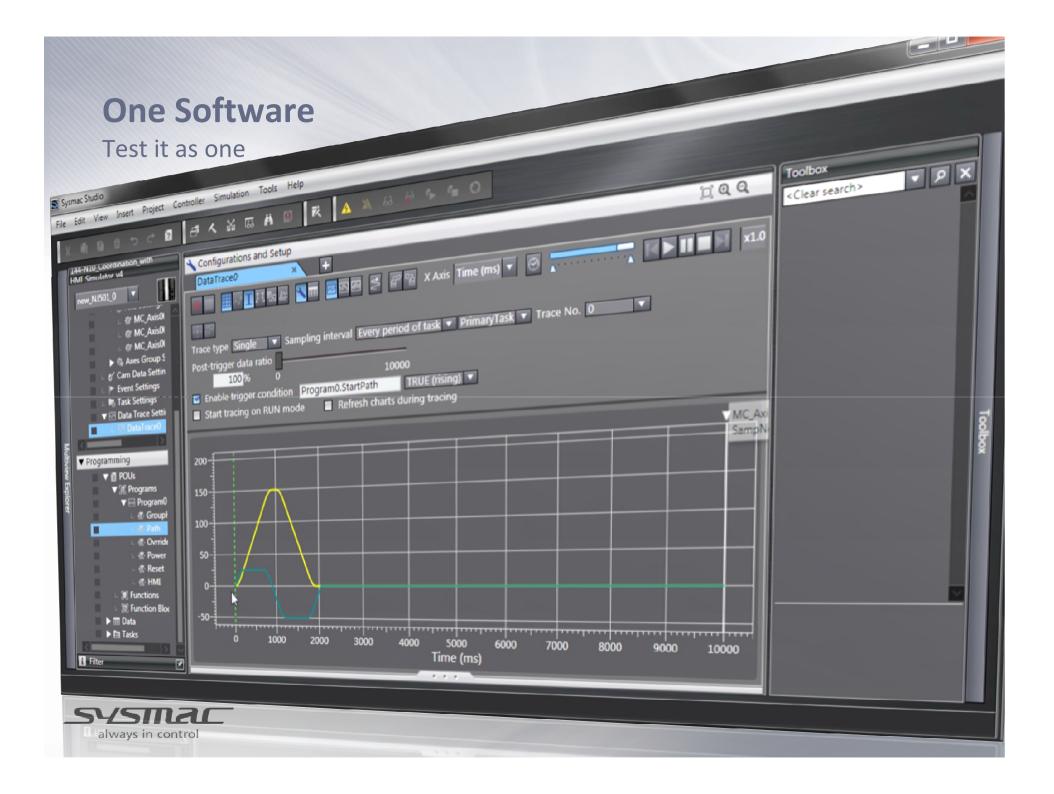


Mechanic Electric Software



Scope of one software





The Sysmac Family

More than just a controller



Inverters and Servos

MX2 & RX inverters

Proven technologywith EtherCAT optionup to 132 kW



G5

- Powerful servo
- Proven technology
- Small and with EtherCAT embedded
- With linear motor support
- Up to 15kW



OMRON



Vision & Sensors

The Unique Offering.

FQ-M

- Compact integrated (Camera+controller) Vision system
- Designed for pick and place applications
- EtherCAT embedded
- Encoder input for tracking



E3X-ECT

- Fiber optic EtherCAT inteface
- Connection of up to 30 E3X-HD Fiber Amplifiers
- Only one power supply connection
- Read Detection level, execute tuning and change setting by EtherCAT master





Distributed I/Os

An extensive line up of digital / analogue I/O terminals and encoder input terminals are available for EtherCAT connectivity.

NX-I/O series

- Digital, analogue and encoder I/O units
- Removable I/O terminal
- Integrated Safety





Integrated Robot/Kinematic

- Motion, PLC, Robotics and Vision......ALL in ONE!
 - Control of up to 8 Delta-3 robots by using one controller.
 - High through-put by using the Delta robots, up to 200 cycle/min per robot.
 - Integrated vision system.





Integrated Robot/Vision



Integrated Robot/Vision



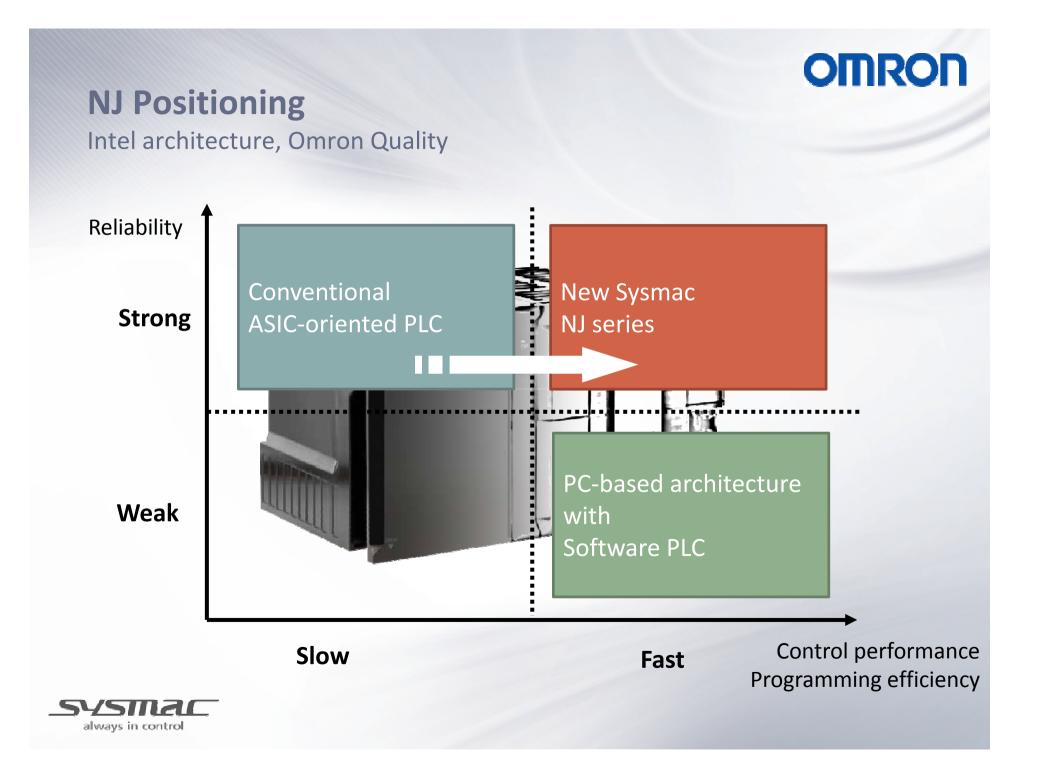


Integrated Robot



Integrated Robot/Vision







WE AUTOMATE MACHINES

... it just works!

