

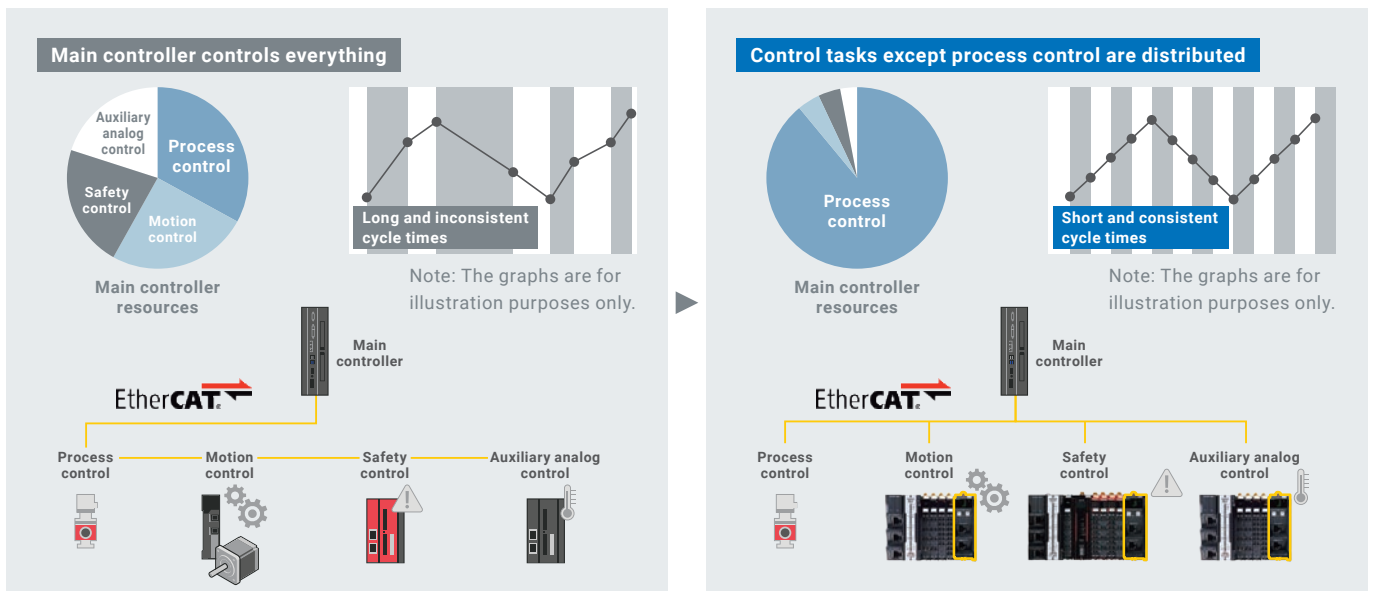
# EtherCAT distributed system adds more value to your semiconductor machine



## Ensure reproducibility of wafer process control

Control tasks other than wafer process control are distributed and modularized to increase main controller resources for process control.

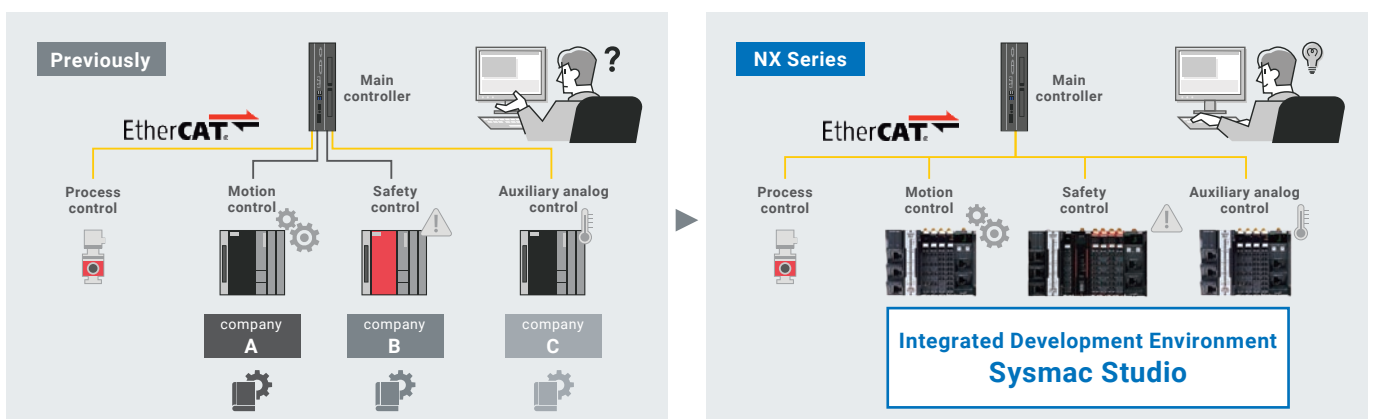
The use of EtherCAT, which enables high-speed real-time communication with low jitter, ensures reproducibility.



## Reduce machine design lead time

Distributed modules enable concurrent development. In addition, using the NX-ECT101 to connect all devices via EtherCAT reduces the need to learn many software tools.

The Automation Software Sysmac Studio is a development environment integrating motion, safety, and sensing, which reduces time required for designing and training designers.



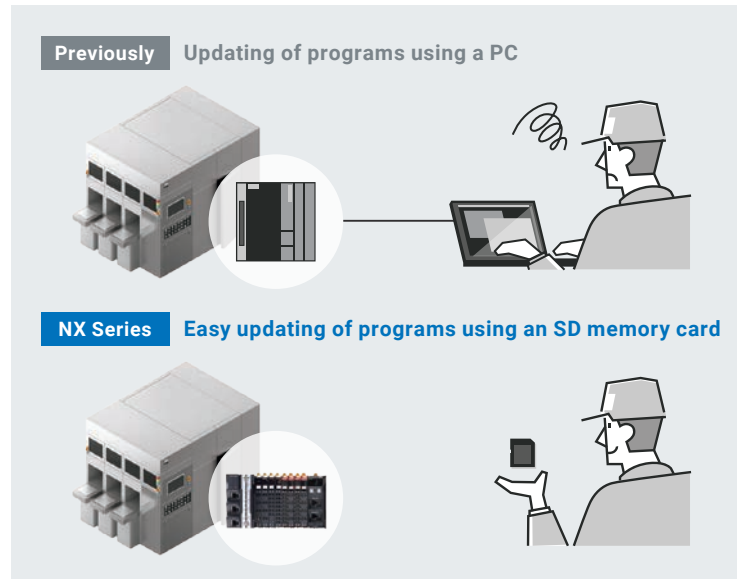
## Minimize footprint

The total width of the NX CPU Unit and Safety CPU Unit is only 102 mm. A 48%\*1 slimmer design than competing products helps reduce the footprint.




## Improve maintainability

SD memory cards can be used to update programs without the need to bring a laptop and operate tools. This prevents incorrect operation, making maintenance easier and more reliable.



## Ordering Information

Product name	Specifications		Model
	Send/receive PDO data sizes*1	Refreshing method	
 EtherCAT Slave Unit	<ul style="list-style-type: none"> <li>Data input by the EtherCAT master (TxPDOs) 1,204 bytes max.</li> <li>Data input by the EtherCAT master (RxPDOs) 1,200 bytes max.</li> </ul>	Free-Run Mode	NX-ECT101

\*1. The following shows the contents of the TxPDO data.  
 •I/O data set from the CPU Unit to the EtherCAT master: 1,200 bytes or less  
 •Status to notify the EtherCAT master: 4 bytes or less

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 EtherCAT® is a registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.  
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 The product photographs and figures that are used in this catalog may vary somewhat from the actual products.

**Note: Do not use this document to operate the Unit.**

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