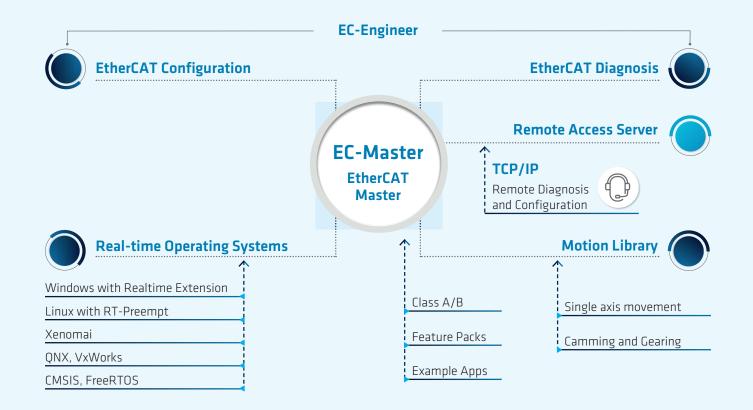
## **EtherCAT® Solution**





## **EC-Master Key Benefits**

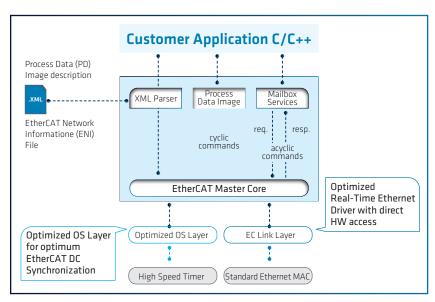
- High Performance real-time Ethernet Drivers
- Support for Distributed Clocks Master Shift as well as Bus Shift mode
- Out-of-the-box for the most popular operating systems
  Get it running on your system in one day!
- Reliable and robust implementation
  - Field proven in several 100000 systems per year!

- Sophisticated diagnosis functions
  - Detect state change problems and frame loss errors easily
  - More than 300 different error codes
- High performance and hard real-time
  - Low CPU load due to acontis real-time Ethernet drivers
- Easy to integrate
  - Various example applications and comprehensive user manuals



## **EtherCAT® Master Runtime**

- **&** EC-Master Class A
- Fast and optimized real-time Ethernet drivers
- High speed OS layer for optimum EtherCAT<sup>®</sup>
  Performance and minimum CPU load
- Mailbox protocols: CoE, SoE, AoE, VoE
- Sophisticated Distributed Clocks (DC) support
- Built in support for DC synchronization based on EtherCAT® Master Shift Mechanism
- Many example applications including ECMotion demo application for DS402 CoE Drives
- Support for FSoE (Safety over EtherCAT) Slaves
- Configuration based on ENI (EtherCAT Network Information) XML file





acontis technologies