

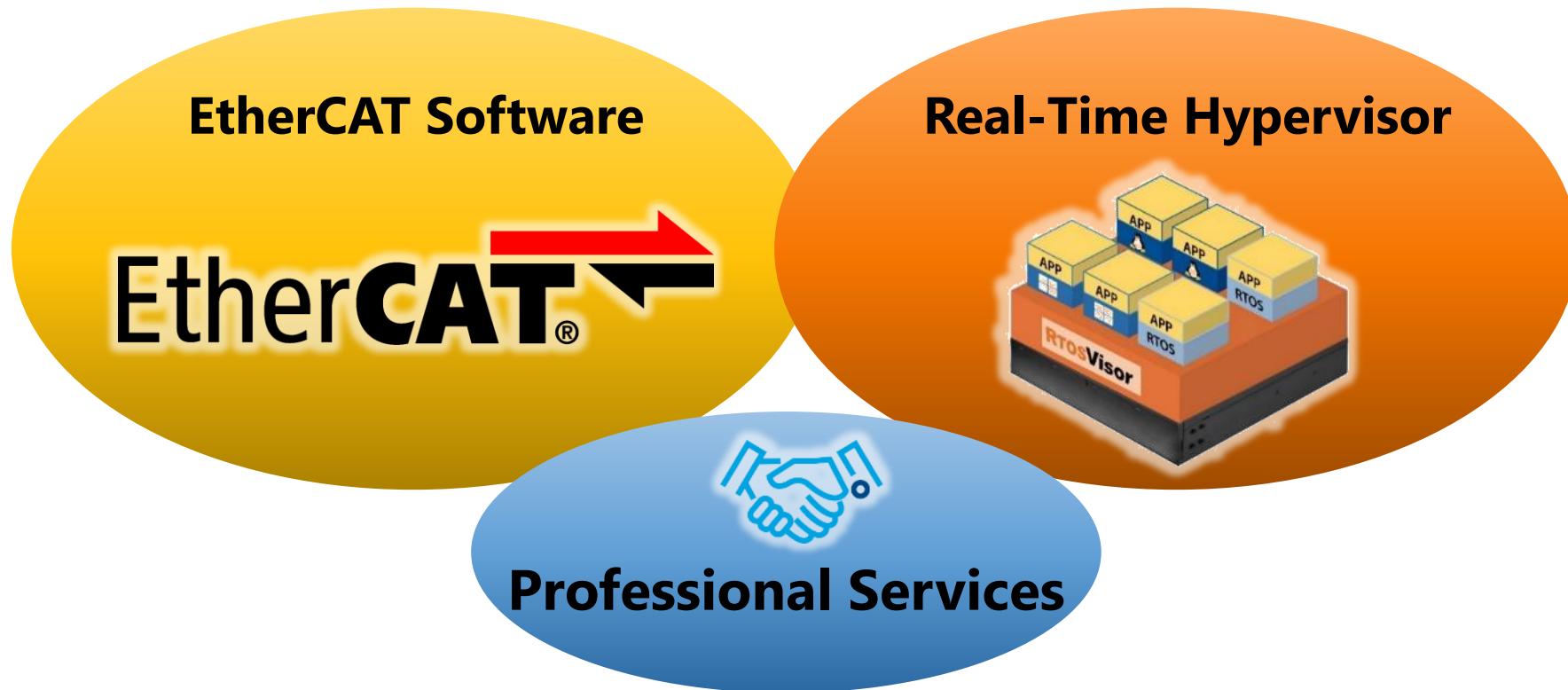


**EtherCAT Software**  
**Real-Time Hypervisor Software**  
**Professional Services**

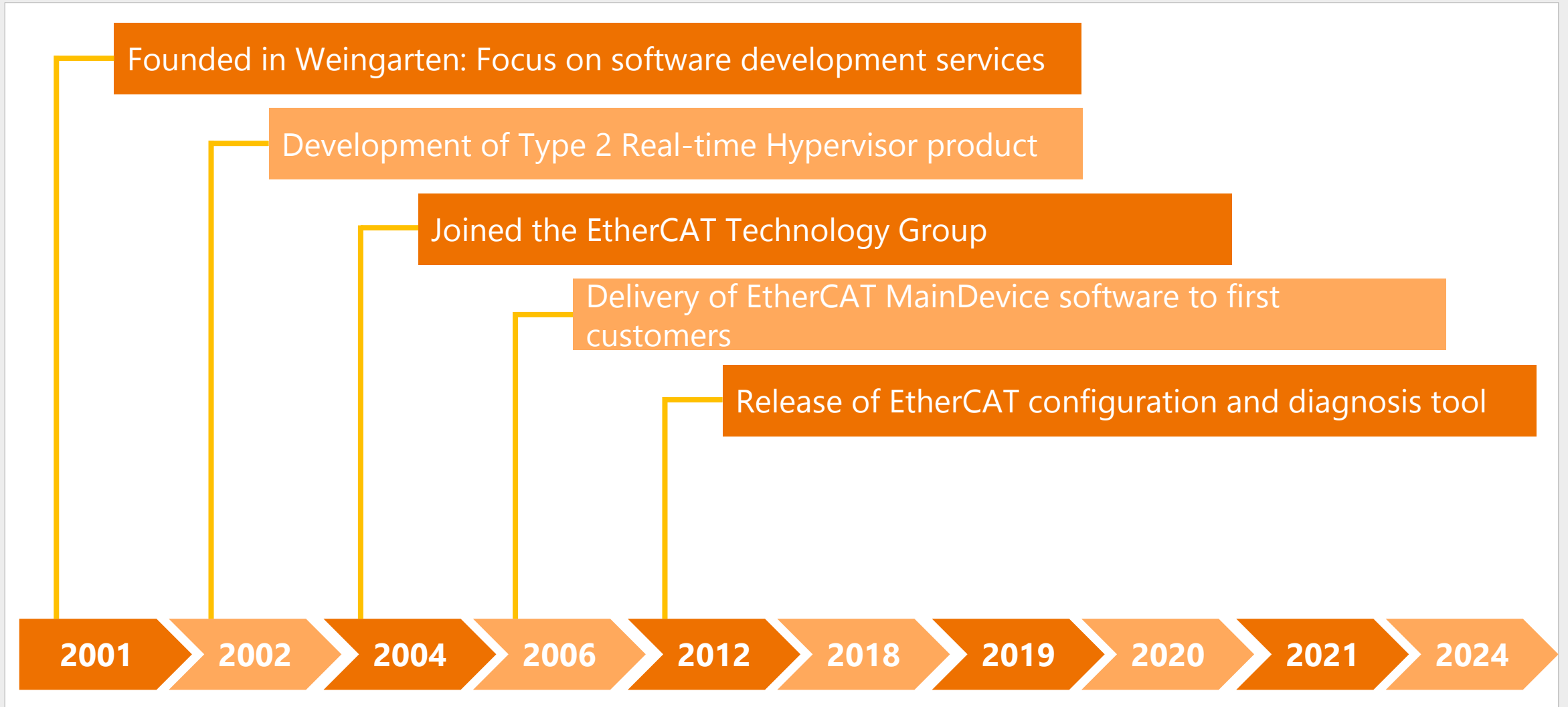
# acontis technologies GmbH

## Software products for industrial applications

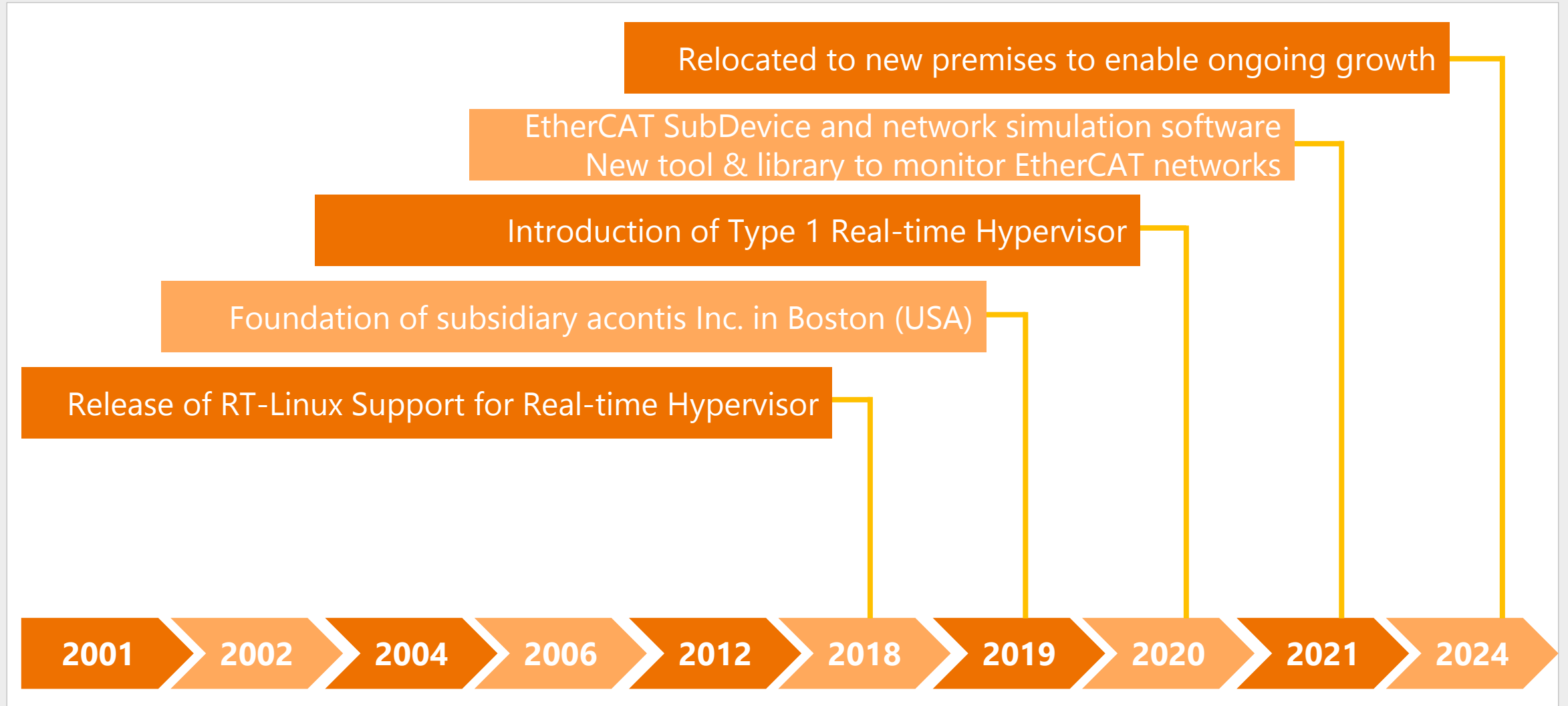
- Founded in 2001 by Christoph Widmann and Stefan Zintgraf
- Company located in Weingarten, Southern Germany
- 27 employees, ~8 Mio EUR turnover in 2023, 250+ customers in 33+ countries



# History



# History



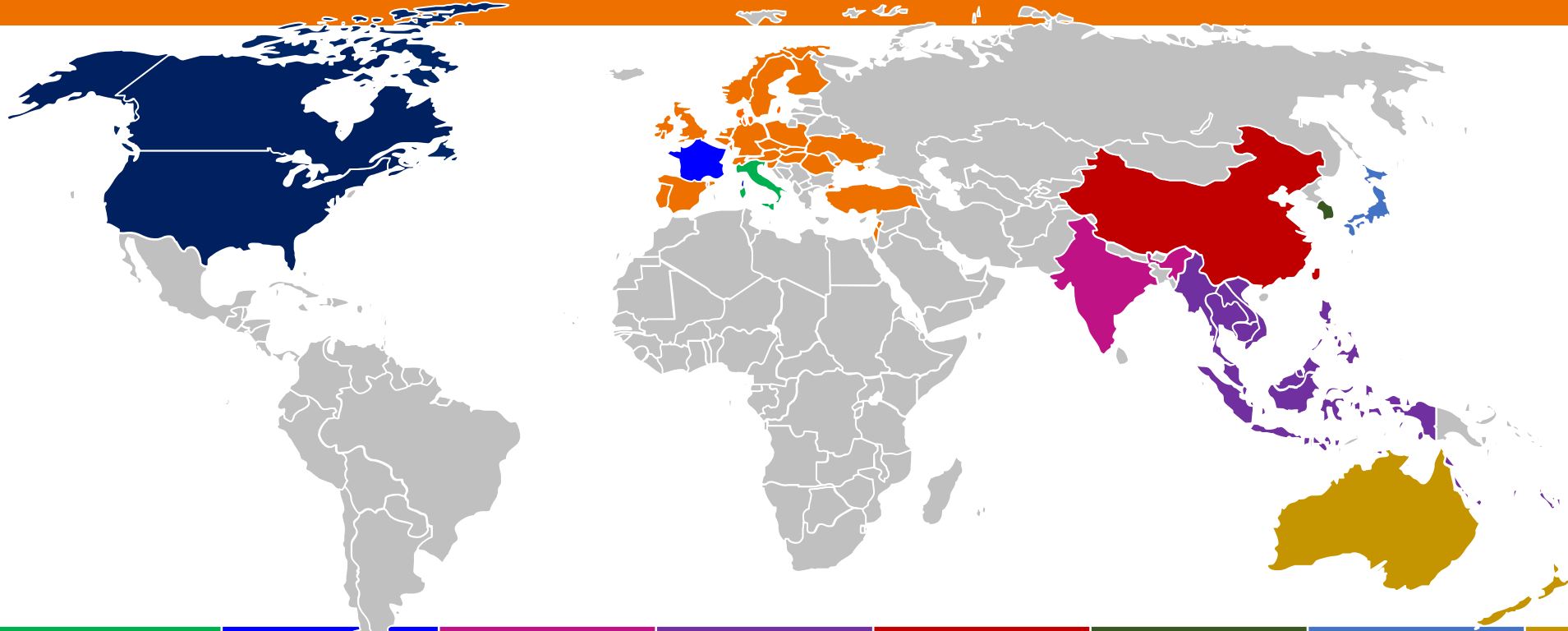
# acontis: EtherCAT & real-time Hypervisors



# World-Wide Representation

acontis technologies GmbH

Europe and ROW



Northern America  
**acontis Inc.**  
established 2019

Italy  
**Tecnologix**  
since 2019

France  
**I.S.I.T**  
since 2020

India  
**Embedded  
Systems Solutions**  
since 2024

ASEAN countries  
**Gopalam  
Embedded Systems**  
since 2024

China & Taiwan  
**Beijing Motrotech**  
since 2014

South Korea  
**Presto Solution**  
since 2008

Japan  
**Macnica, Jepico**  
since 2008

Australia &  
New Zealand  
**CAN+Automotion**  
since 2022

- **Stable supplier:**

- More than 20 years of experience
- Reliable partner with a long-term business focus
- Long-term employees form our group of experts



- **Best support:**

- Comprehensive support through our local partner network and our team of experts.

- **EtherCAT know-how:**

- Specializing in EtherCAT for 20+ years as a core member of the ETG
- In-depth knowledge in all areas of the technology



- **Best references:**

- Numerous well-known companies are proud users of acontis products

- **Focus on EtherCAT and Real-time Hypervisor:**

- The most complete range of EtherCAT software on the market  
...accompanied by innovative real-time hypervisors





# Our products:

*Reliable, High-Performance, Best Quality, Ease of Use*

- **Best technology to meet your requirements:**
  - Modular and full-featured products for your specific requirements
  - Customer feedback since 2005 confirms highest performance and best reliability
- **Our focus is quality**
  - Daily software tests including 1.200 automatic tests with >250.000 LoC
  - Active participation on each ETG Plug Fest proves unique interoperability
  - Many key players with highest requirements decided for acontis
- **Best features - also in the future:**
  - Constantly investing in the further development of our products
  - Pushing EtherCAT standards according to our customer's needs
  - Updates rolled out to our customers each quarter
- **Save time and costs with acontis!**
  - We are a fair partner and offer market-leading solutions at competitive price
  - Using our products you save time and money over the whole product lifetime!
  - Shorten your time-to-market with our ease-of-use, in-depth training and fast and competent support!





# Customer Quotes



**Jean-Charles Emery**  
Product Application Leader at Pro-Face

“

“acontis provided outstanding consulting and guidance in the beginning to be able to select the best solution and also served us with best-in-class support during the project. For us, it was good to have the same contact persons during the whole project: Everything from one hand that also understood our needs. The direct contact to the acontis experts helped to get immediately answers that were on point and easy to understand.”

“



**Vin Taylor**  
referring to SOEM's handling of the CAN Application Protocol over EtherCAT mailbox protocol

One of the major issues we were having with SOEM was that the CoE support was minimal. It provided an interface, but you still had to implement the library. You had to implement all the code behind the interface yourself, which was a major hurdle for us, so even having to not build that was a payoff to go to acontis.”

“

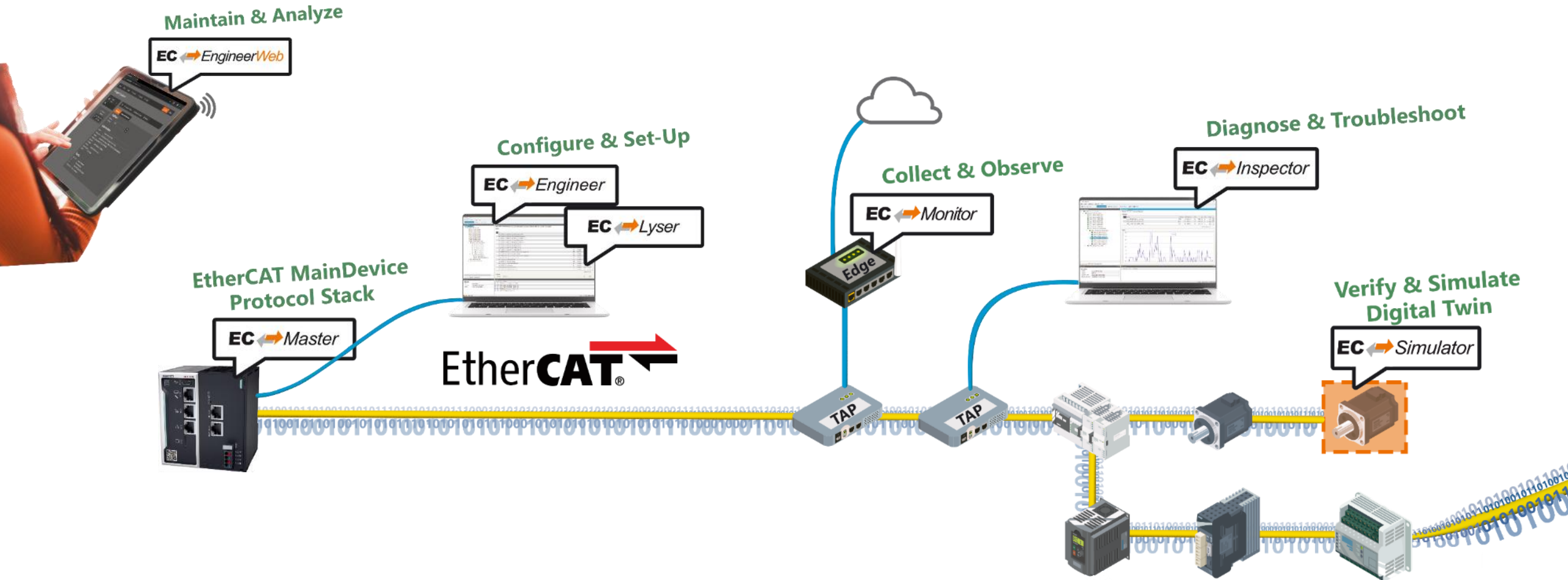
Public documentation, price, and responsiveness of your team were the three big standouts for acontis.”

**Vin Taylor**



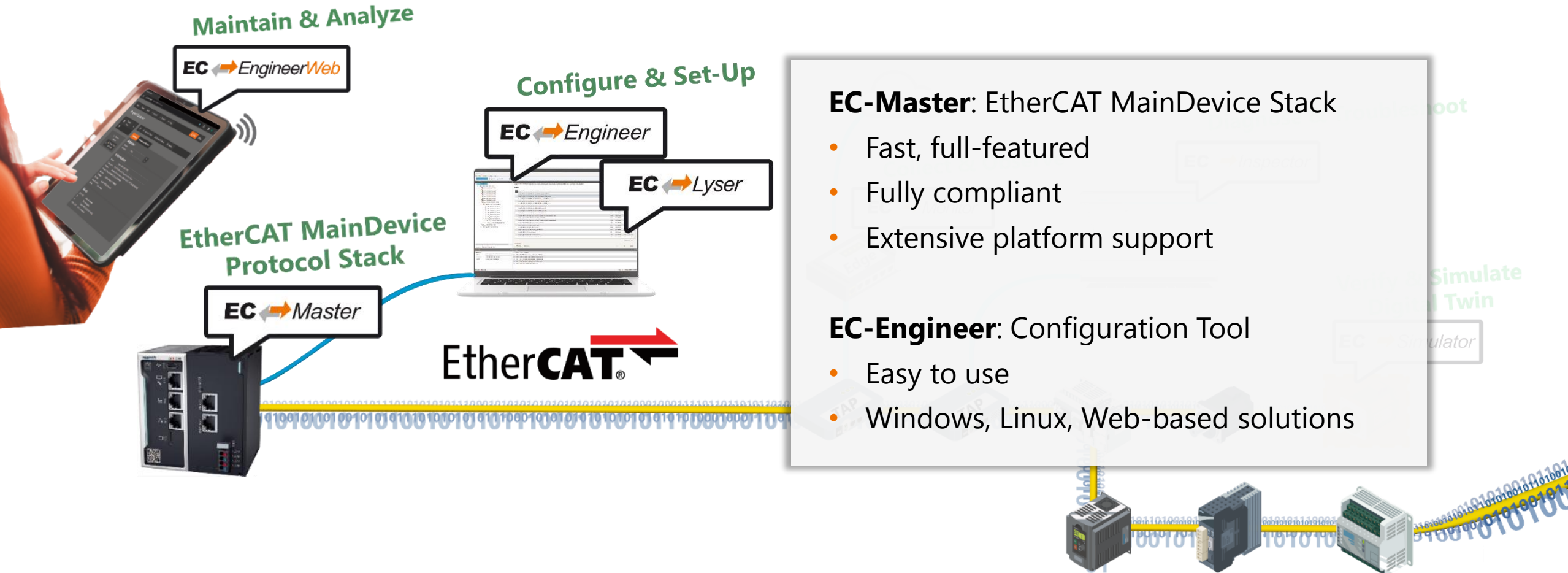
## The acontis Portfolio

# Complete EtherCAT Software Portfolio

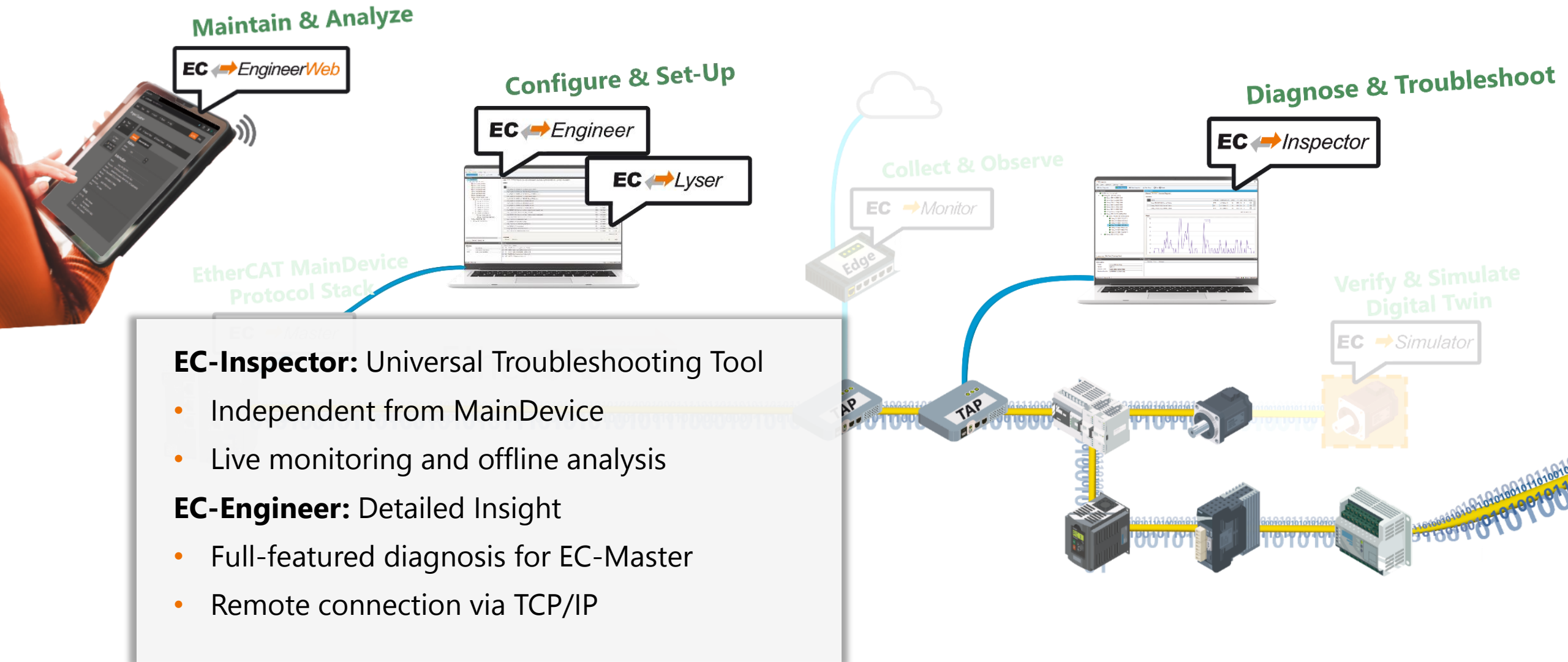




# EtherCAT Software for Controller



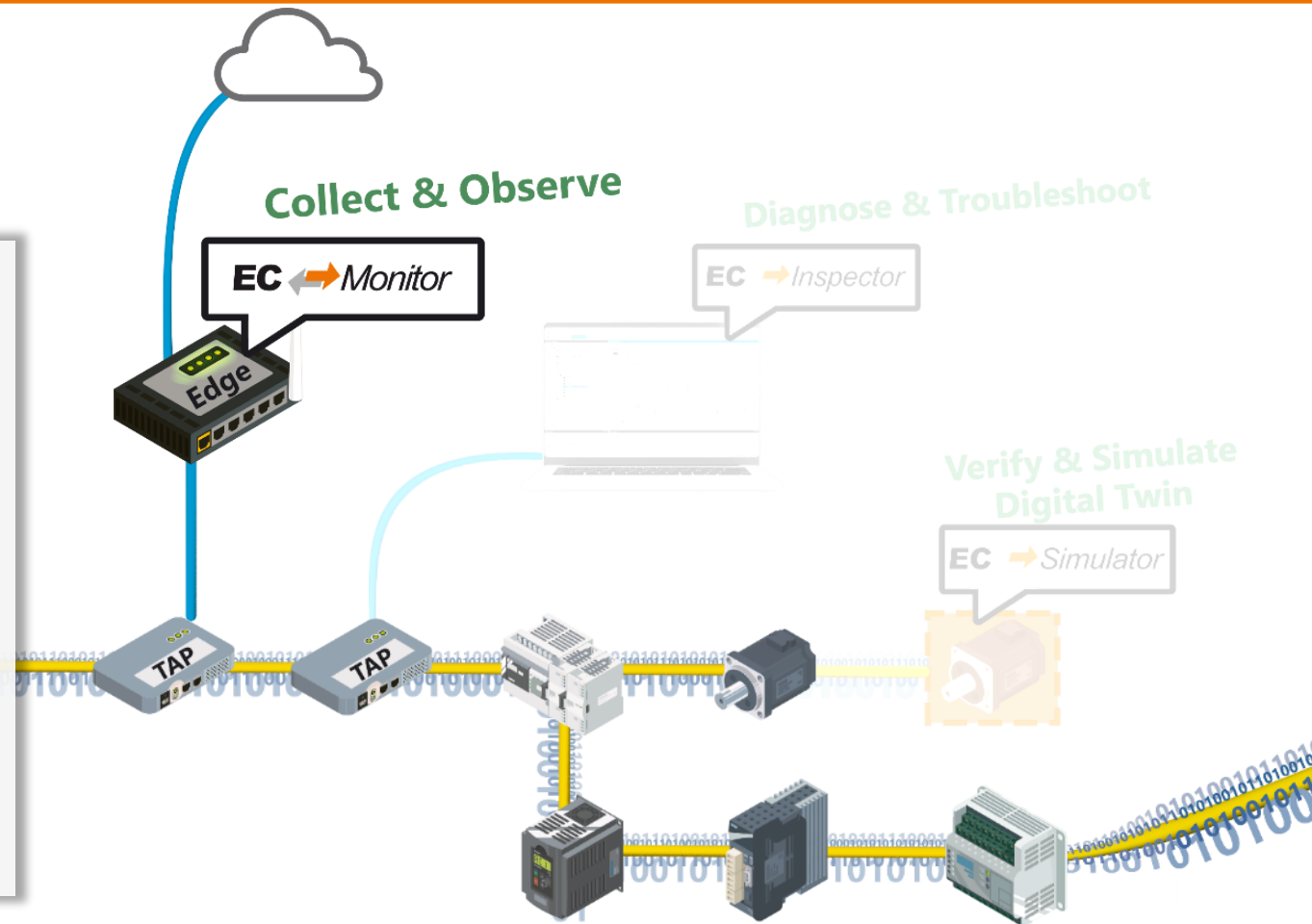
# EtherCAT Diagnosis Tools



# EtherCAT Monitoring Software

## EC-Monitor: EtherCAT data connector

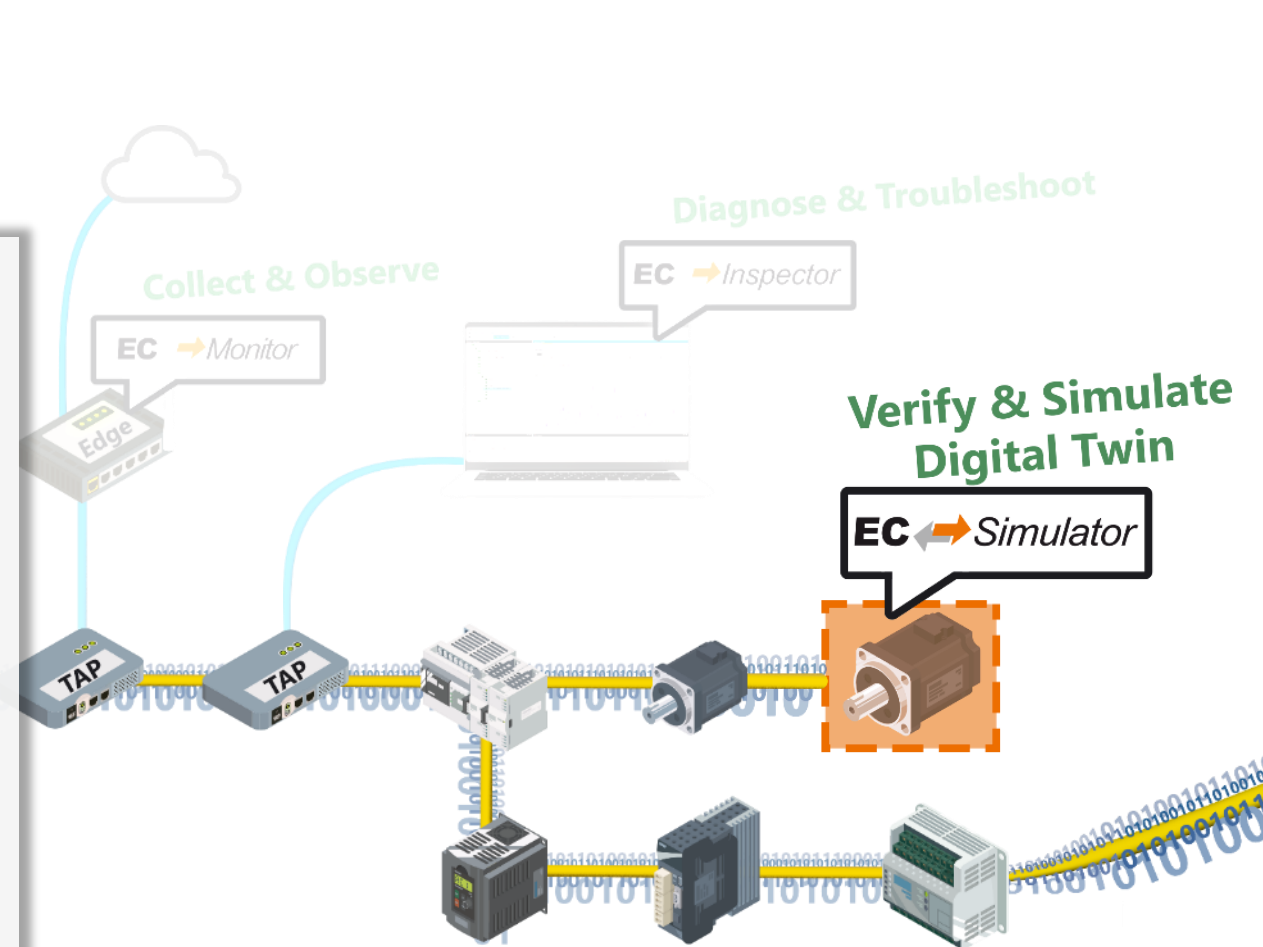
- Software library enabling forwarding, collection, analyzing and evaluating the data traffic of EtherCAT networks
  - SCADA integration
  - Cloud connection using IoT / Edge gateways for secure data connection
  - EtherCAT traffic & data in diagnosis tools
  - Data-source for predictive maintenance



# EtherCAT Network Simulation Software

## EC-Simulator: HiL & SiL Residual Bus Simulation

- Powerful simulation software enabling simulation of single devices or complete EtherCAT networks, enabling
  - Profit from digital twins
  - Virtual commissioning
  - System and device tests
  - Software development without hardware
  - Verification of MainDevice implementation





# Real-Time Hypervisor Software

## Multiple OS – Windows, RTOS for IPCs

**RTOSVisor:** Type-1 Hypervisor

**VxWin:** VxWorks combined with Windows

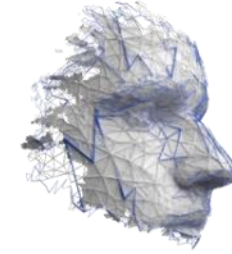
**LxWin:** RT-Linux combined with Windows

- Guaranteed hard real-time performance
- Multiple use-cases covered by a single IPC
- Save cost and complexity
- Web-based graphical configuration tool

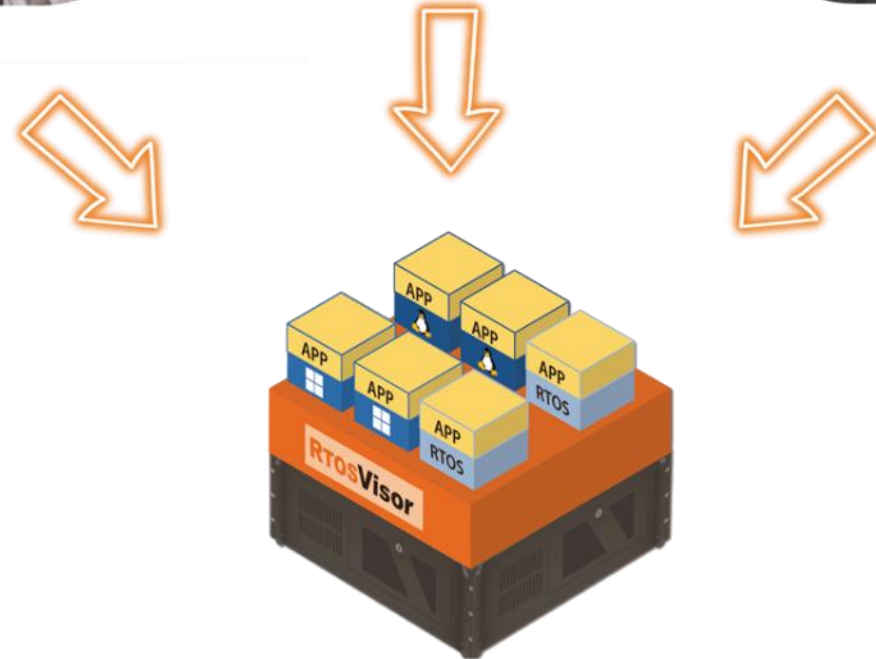
### Real-Time Control



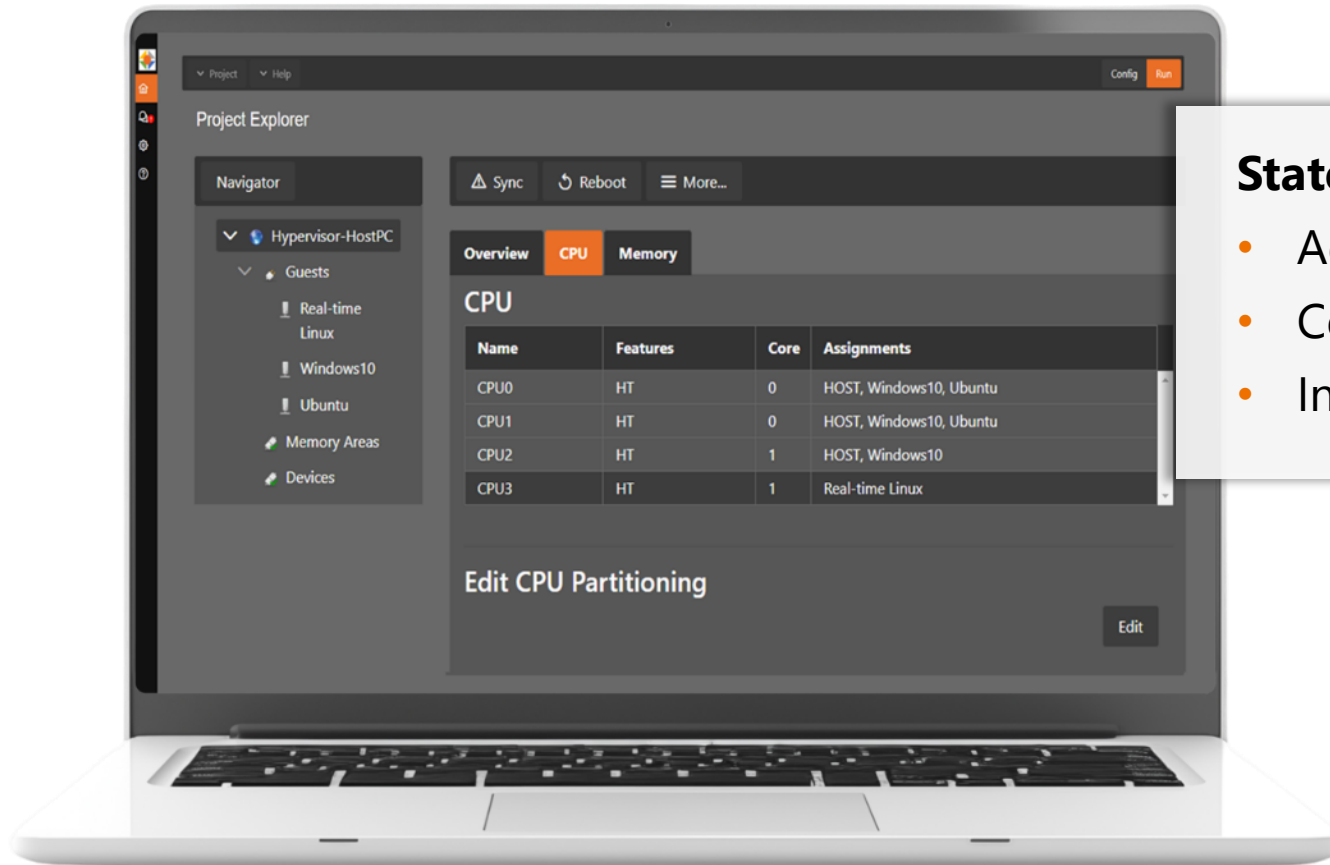
### AI & Machine Learning



### SuperVision & GUI



# Web-Based Hypervisor Configuration



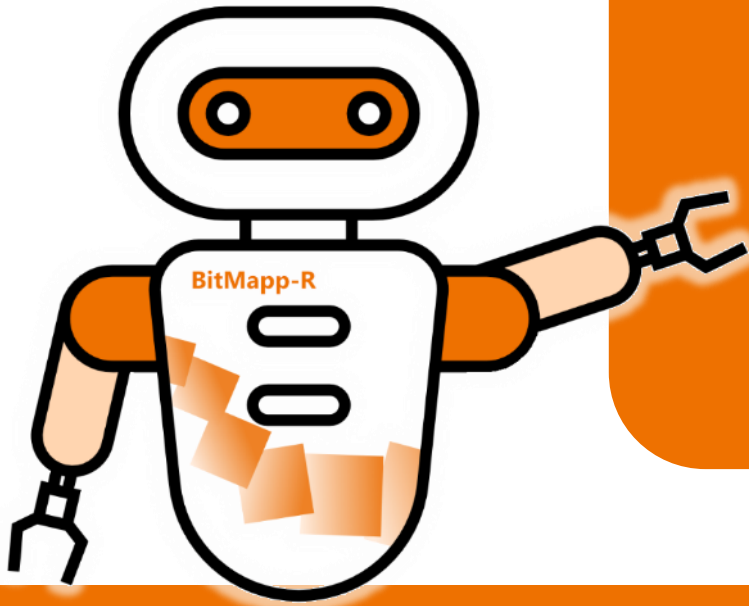
## State-of-the-art web-based configurator

- Add guests
- Configure and control resources
- Independently reboot / start / stop guests



Hundreds of customers world-wide  
already experienced the  
**smooth**  
implementation and operation of  
**acontis software!**

The **Experts** for **EtherCAT**  
and **Real-Time Hypervisor Software**



**Learn more about EtherCAT on the acontis webpages:**

<https://www.acontis.com/en/what-is-ethercat-communication-protocol.html>

<https://developer.acontis.com/ethercat-support>

# The Experts for EtherCAT and Real-Time Hypervisor Software