TENET INDUSTRIAL SOFTWARE

Industrial NetOps

Unlock the value of virtualization and AI with Industrial NetOps

IEC/IEEE 60802
TSN-based determinism

ISA/IEC 62443
Cybersecurity & risk

IEC 62439
Availability & recovery

IEC 62541
OPC UA interoperability

Our software tools combine knowledge of PROFINET, EtherNet/IP, EtherCAT, CC-Link IE TSN and OPC UA FX with the standards shown here to guide network design, security and operation. This helps engineers support virtual functions and AI as production evolves, while meeting application requirements for timing, security, availability and interoperability. Our integrated AI assistants substantially reduce configuration time and provide insights into the effects of design choices and parameter settings.

EXAMPLES OF WHAT YOU CAN ENABLE

FLEXIBLE MULTI-PATH REDUNDANCY

Keep critical traffic moving after a path failure.

EDGE / DATA-CENTER CONTINUUM

Place AI workloads where compute is available.

DETERMINISTIC WIRED-WIRELESS INTEGRATION

Support mobile equipment and faster layout changes.

VIRTUAL PLC REDUNDANCY

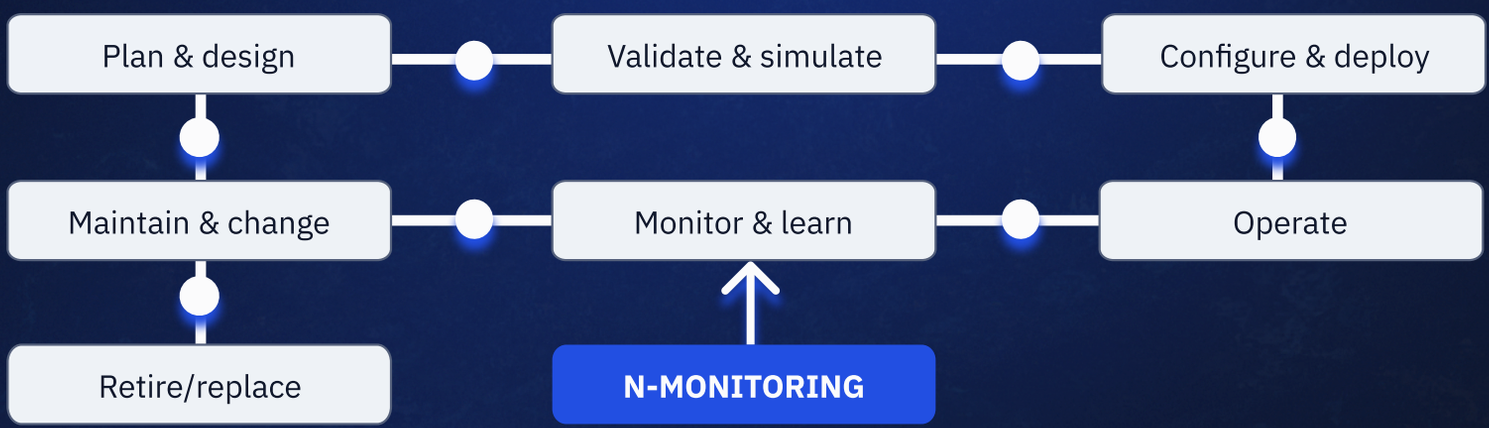
Reduce downtime when a controller host fails.

TENET INDUSTRIAL SOFTWARE

Industrial NetOps

N-STUDIO

N-STUDIO supports and automates critical engineering tasks across the industrial network lifecycle, from design and configuration to validation, simulation and deployment. In operation, N-MONITORING supplies data for N-STUDIO to turn into engineering insights.



ONE WORKFLOW FOR FLEXIBLE AND RELIABLE INDUSTRIAL NETWORKS

DESIGN & CONFIGURE

Translate application requirements into network architectures and configurations.

VALIDATE & SIMULATE

Check timing, availability and failure scenarios before deployment.

DEPLOY & OPERATE

Deploy configurations and use operational insights to guide maintenance and change.

EVOLVE & RETIRE

Assess new workloads and production changes. Plan upgrades and equipment replacement.

COMPARE ARCHITECTURES BEFORE COMMITTING TO A DESIGN

Assess reliability and availability, evaluate techno-economic trade-offs and calculate system OEE against your performance, resilience and cost goals.

- ☑ **Reliability and availability**
- ☑ **Techno-economic trade-offs**
- ☑ **System OEE**

BRING US YOUR NEXT PRODUCTION SCENARIO.

TENET Industrial Software is powered by RTaW (RealTime-at-Work).

JOSÉ FONTALVO-HERNÁNDEZ
✉ jose.fontalvo@realtimeatwork.com

RTaW RealTime-at-Work