



RTP3000 TAS N⁺

Quality First

RTP is pleased to announce the evolution of our RTP3000 TAS System with the N⁺ Multiprocessor Architecture. Leveraging our experience with and using the same technology as the RTP3000 TAS system, which is recognized as the best Safety System in terms of processing power, diagnostics, and availability, the N⁺ system was designed to redefine the Hybrid DCS market and be the most powerful control system available.

The architecture breaks from the traditional control system approach that has a control chassis and expansion is done with remote I/O chassis. Instead, a domain architecture concept is utilized. Every chassis has its own Atom™ based processor and associated logic. As chassis and I/O are added so is the compute power of the system. Information is passed from node to node using a concept of peer communications.

Based on the Intel™ Atom microprocessor, the N⁺ Node/Chassis processors solve complex logic at an industry leading speed of 1 msec, providing scan times of 2 msec or less. This speed does not bring with it any degradation of RTP's comprehensive diagnostics package. The N⁺ Architecture builds on the RTP3000 TAS system's history of real time diagnostics, including:

- Input and Results Validation and Voting
- Field Device and Wiring Validation
- Peer to Peer and Outbound Communications Validation
- I/O and Bus Validation

The N⁺ provides a complete suite of redundancy options, including Node/Chassis Processors (DMR, TMR, & QMR), voting I/O, power supplies, and host and peer communications. All inputs can be configured for Sequence of Event Recording (SOE) with 1 msec timestamp accuracy.

New functionality has been added to NetSuite which includes a report writer and the ability to do XY plots. New alarm management capabilities have been added to ADA enabling you to implement your particular alarm philosophy by customizing the alarm page content and which alarms are displayed.

Paired with RTP NetSuite software, the N⁺ System provides a cost-effective alternative to the traditional DCS offering, while greatly exceeding the performance the market has come to expect. With a 10 year warranty, EDSA-300 Level 2 certification and AES encryption for cyber security, the N⁺ is poised to redefine your expectations from a control system.

About RTP

Founded in 1968, RTP Corp. is a developer and manufacturer of high-performance industrial safety and critical control systems. Markets for RTP Corporation's products include process control and safety systems, nuclear power plant data acquisition and simulation. RTP offers an integrated suite of software applications as well as a wide range of rugged hardware and that include dual, triple and quadruple redundant systems for mission critical applications.

For more information, visit www.rtpcorp.com