



# Never Stops



## RTP3000 TAS Benefits

**Highest MTTFS – Fewer Nuisance Trips**

**Extensive Diagnostics – No Need to Stop to Determine the Problem**

**Every Component is Hot Swappable – No Need to Stop to Repair the System**

**Unlimited Online Modifications – No Need to Stop to Implement Changes**

**A Safety Instrumented System (SIS) should always take the process it protects to a safe state when it is required to do so . . . and it should never interfere with the operation of the process at any other time.**

When discussing uptime on processes with Safety Instrumented Functions (SIF's) implemented, the discussion always turns to MTTFS or Mean Time to Fail Spurious or Safe. This is a measure of how often your SIS will take your process to a safe state for no reason. That's another way of saying how often your SIS will shut your process down when it didn't need to. RTP's MTTFS is over 10 times that of all other SIS systems. That means 90% fewer nuisance trips. So, we could drop this issue right here except.

Most SIS systems are fault tolerant, but what does that mean? In order for fault tolerance to save money, the SIS system must be able to diagnose a fault, continue to operate in the presence of the fault, and allow online repair of the fault within the designated repair time.

Through increased processing power that actually increases as the application grows, the RTP 3000 has extensive diagnostic capability allowing it to diagnose almost any fault. When configured as a redundant or triplicated system, the 3000 will continue to operate in the presence of a fault and any fault can be corrected online in a manner of minutes, meaning no downtime is required.

With IEC61511's requirement for continuous improvement, SIS systems routinely require change. Once the need for a change has been identified, the change cannot be delayed until the next turn around. It must be implemented immediately. The RTP 3000 allows for unlimited online changes. Changes can include logic modifications, the addition or deletion of I/O and/or I/O chassis, or even the addition or deletion of redundant controllers.

Couple all the above with RTP's industry-leading reputation for reliability and you have a system that . . . **NEVER STOPS.**