

THE PRODUCTIVITY PODCAST

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MANUFACTURING PRODUCTIVITY TOPIC:

High availability is used in applications where downtime can have serious implications, such as backup power, power and energy, and continuous processing. The solution consists of two independent controllers synchronized to run simultaneously, both capable of running the process.

MAIN IDEAS:

Controlled Switches versus Unplanned Switches

Controlled – Editing the application without shutdown

Ability to switch back to primary immediately

Uncontrolled – losing power, CPU failure,

You want to be able to switch over bumpless

High Availability with dual links

Synchronizing the data at the input and output scan

Synchronize up to 2 Mb between controllers

Things to look for in a high availability approach

Speed of synchronization and the amount of data to be synchronized

Redundant Sync Links, HMI LANs and I/O LANs