

EOL-Allen Bradley 1100

March 1, 2022

End-of-Life PLC Upgrade Solutions

- Migrate End-of-Life Components to protect against system failure and extended downtime
- Upgrade and Replace obsolete PLCs and HMI with planned work sequences in operating environments
- Get the best of new PLC and HMI technology – better performance at lower prices



End of Life for Micrologix 1100/1200: There are over 2 million Micrologix 1100 PLCs in service around the world, many in critical service in data centers, hospitals and other Critical facilities equipment.

As of March 2022, Allen Bradley has discontinued production of Micrologix 1100 and 1200 controllers. They are no longer available as replacements or spare parts. So it is important to plan for upgrade to the newer Micro 800 PLCs.

Allen Bradley PLC Migration: Allen Bradley is our standard PLC for our controllers. One of the primary reasons is their back integration, meaning that new PLC, HMIs, and Networks will integrate to the older model PLCs. Now we are at the second generation of their micro PLCs from the Dot-Com era Micrologix 1000 / 1500 > Micrologix 1100 / 1400 > Micro 820 / 850. After more than 20 years in service, Allen Bradley stopped production of the Micrologix 1000 / 1500, in 2017, and the Micrologix 1100 / 1200 in 2022.

Not Just a Hardware Swap: It is not simply a matter of a hardware swap:

1. **Application Software Changes:** The new Micro 800 PLCs and HMI use a new application software called Connected Components Workbench (CCW), replacing RS Logix 500/5000 on the old PLCs. The software change requires that the programming for the replacement PLCs must be re-written on the new platform.
2. **Network Standard:** The obsolete ML1000 and 1100s typically used an RS-485 based network for communication. The new Micro 800s have built-in Ethernet for peer-to-peer networking, although they still maintain an RS232/485 Port.
3. **Room-to-Improve Redundancy:** System upgrades include a performance review to address any inadequacies. This may be an opportunity to get full dual control, rather than a single element + bypass.