## One-for-One Migration vs From-Scratch Systems

When completing a DCS migration, there are many issues to consider when deciding between a one-for-one or a from-scratch design. While both strategies take advantage of the opportunity to improve control strategies. There are several differences. While we don't recreate everything exactly as is in the new system we do migrate the functionality along with some cleanup of items no longer required. Use the table below as a guide.

In a one-for-one migration, you take everything in the legacy system including every wire, loop, snippet of code, & piece of logic, and migrate the functionality—along with cleanup items no longer required – into the new system.

A from-scratch system is designed from the ground up to optimize the hardware, software, & manufacturing processes.

## Comparison Guide

|  | One-for-One System | From Scratch |
|---|---|---|
| Speed of Installation | Best | Varies |
| Uptime | Lower | Higher |
| Troubleshooting | Time-consuming | Easier |
| Future Improvements | Potentially difficult | Easier |
| Cost of Ownership | --- | Best |
| Operator Training | Minimal | More extensive |
| Optimized System | --- | Best |
| Modernized System | Unlikely | Yes |

*If you are completing a DCS migration, Hargrove can help. We will learn about your system's intricacies and guide you to the optimal solution based on your specific needs. Contact us today.*