



A Rockwell Automation Company

# DCS NEXT<sup>®</sup>

*Don't replicate. Innovate.*

A background image of a control room with multiple computer monitors displaying technical diagrams and data, overlaid with a red semi-transparent filter.

Migration That Optimizes the  
Way You Operate.

How do I get capital funds approved for a major migration and ensure the most ROI?

What happens if my control system fails and I don't have the parts and people to fix it?

How long can I continue to support my existing control system?

How do I get the real-time process information I need to make critical business decisions?

How do I leverage the latest technologies?

How do I make sure my operators are able to effectively navigate HMI screens?

What happens if my staff isn't able to respond to critical alarms quickly and accurately?

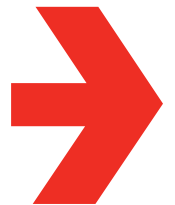
How do I keep my DCS network secure?



## THESE ARE THE QUESTIONS THAT KEEP YOU UP AT NIGHT.

These are the questions you feel pressured to address. Questions that get back to the same problems and challenges. That keep you from taking the leap toward the inevitable—toward migration. But if you want answers, the question you should really be asking is: How do I make the most of this opportunity?

**MAVERICK has the answer...**



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# DON'T REPLICATE. INNOVATE.

It's easy to confuse migration with replication, because that's the way many suppliers approach it. But if you simply replicate your existing system using newer hardware, you'll also replicate any existing issues. And you'll waste a prime opportunity—maybe the only one you'll get—to optimize the way you operate. Migration planning is the ideal time to reevaluate your current operations and identify improvements that can be addressed as part of your upgrade.

That's why the real answer to your questions is a full-service solution that takes all of your operational needs into account. And that's exactly what MAVERICK offers. Over the course of more than 50 migration projects per year, MAVERICK has developed a proven process that helps operations become safer and more efficient. From planning through post-migration support, we leverage every chance to help you achieve greater productivity, profitability and agility. We partner with you to find the best path forward.

**MAVERICK has the solution for  
a more effective migration...**



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DCSNext is a comprehensive DCS migration solution created from years of experience implementing all major platforms in a wide variety of industries. The MAVERICK migration process includes a thorough evaluation of the challenge, plan development, a phased approach to execution and ongoing support for continued improvement. This way, we ensure your migration doesn't just replicate existing functionality—it combines new technology with a proven methodology to improve safety, operational effectiveness and profitability.

## PLAN

Because every enterprise is unique, each DCSNext solution begins by identifying your specifics in a comprehensive four-step study. Our industry-leading expertise with front-end loading for large system migrations yields efficiencies that result in substantial cost savings. We define your process and system boundaries, investigate and collect data, analyze data and plan the solution, and then deliver it and report results. You gain visibility into your real total cost of ownership (TCO), allowing us to identify the parts of the project that will yield the highest return first.

## DELIVER

Throughout the DCSNext migration process, MAVERICK serves as your single point of contact—whether on-site or on call. Our key to success is our combination of people, process and technology. Projects will always move forward according to budget, schedule and scope, but they can also flex with the day-to-day needs of your facility. We will keep you operating efficiently during and after migration—which can include SureStart®, our proven startup and commissioning process—thereby minimizing downtime and disruption to operations. Our platform independence means no benefit of your new technology will go unnoticed or under-leveraged.

## SUSTAIN

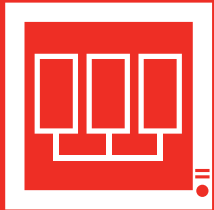
DCSNext is not a “replace and run” solution. MAVERICK believes that your migration to the next level of DCS technology should return great benefits for your investment. We offer a full range of sustaining services to help lock in the gains achieved through your migration. These services include a 24/7 call center, preventative maintenance and training for your staff on the latest tools and software through our PlantFloor24® solution.

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# TO MAKE THE MOST OF YOUR MIGRATION...



**DON'T**  
repeat your HMI  
inefficiencies.



**DON'T**  
silence and ignore  
the same alarms.



**DON'T**  
open your system to  
cyber security risks.

## IMPROVE PERFORMANCE BY STARTING FRESH.

Inefficient graphics make it challenging for operators to respond to abnormal situations properly. With DCSNext, you can upgrade to more intuitive, effective high-performance graphics for less than it would cost to replicate what you already have.

## RESPOND QUICKLY AND ACCURATELY, EVERY TIME.

When your alarms are poorly configured, the resulting confusion can lead to a major accident. Our DCSNext experts will help you integrate a new alarm strategy that allows operators to properly respond to abnormal situations.

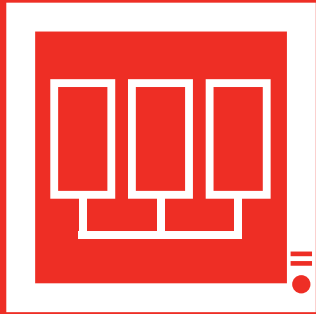
## STAY CONNECTED—SAFELY.

Cyber attacks and unintentional incidents not only disrupt operations, they can also lead to environmental, safety and regulatory concerns. By implementing cyber security as part of your migration, DCSNext keeps your control system protected the entire time.

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# HIGH-PERFORMANCE HMI

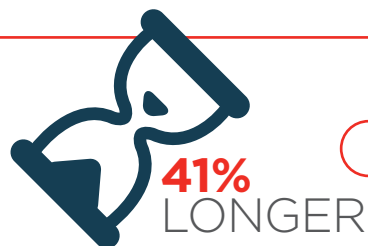
## Develop an HMI that's not only easier to understand, but also less expensive to create.

By eliminating unnecessary graphics and simplifying others, you can give operators an easier way to improve operational safety and productivity.

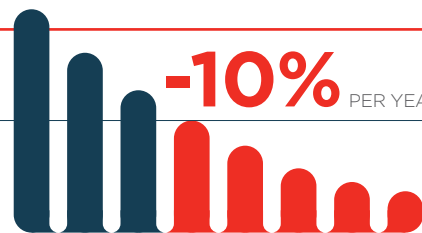
And when you include high-performance graphics in your DCS migration, you can reduce engineering costs as well. Our experts partner with your experienced operators to identify opportunities for optimization by reviewing P&IDs and laying out a new graphics structure and plan. This not only minimizes the expense of new graphics creation, it also encourages early buy-in from your operators.

## Why MAVERICK?

MAVERICK's pragmatic, adaptable approach to applying high-performance HMI principles yields the best practical solution with the lowest cost and graphics count.



It takes 41% longer to respond to abnormal situations with a non-optimized interface.



A typical plant can lose up to 10% productivity in a year due to poorly managed abnormal situations.

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# ALARM RATIONALIZATION

## Empower your operators to handle abnormal situations more safely and effectively.

With a properly rationalized alarm system, it's easier for operators to quickly identify root causes and effectively resolve issues.

And by including alarm rationalization as part of your migration, you can also minimize costs while increasing operator acceptance — making the transition seamless. Our experts collaborate with yours to carefully evaluate your existing alarm configuration, apply the latest alarm management principles and streamline operational safety.

## Why MAVERICK?

MAVERICK combines broad industry experience with off-the-shelf software tools to apply the latest alarm management principles, including alarm shelving, masking and proper prioritization.



The U.S. industry alone loses \$10-20 billion per year by incorrectly responding to alarms.



A typical plant loses more than 5% of its total capacity every year due to disruptions caused by poor alarm response.

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# CYBER SECURITY

## Stay secure, right from the start.

A thorough cyber security assessment offers protection against attacks and unmanaged risk that can disrupt operations and endanger the safety of your personnel.

Let us help you effectively secure your new control system so your IT department can stay focused on securing your data. Our ISA99-certified experts will assess your risk potential and design a comprehensive cyber security plan that defends against downtime. When implemented as part of your DCSNext migration, the incremental cost is minimal.

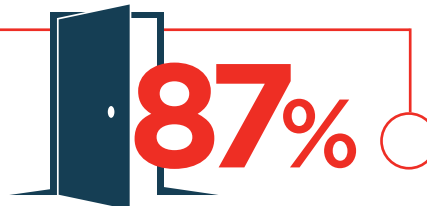
## Why MAVERICK?

MAVERICK's certified cyber security experts work with ISA and the Department of Homeland Security to stay abreast of the current threat environment.



**\$3.5M**

On average, an undetected cyber security breach leads to approximately \$3.5 million in losses and mitigation costs.



**87%**

87% of users leave the back door open, because they leave control system web services active, unused and with factory default passwords.

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# THE MAVERICK DIFFERENCE

With full-service solutions that span everything from industrial automation and consulting to enterprise integration and sustaining services, it's easy to see the advantages MAVERICK has over traditional engineering firms, OEMs and systems integrators.

For starters, we've got 20+ years of experience across virtually every industry and platform. We also make recommendations without bias for technology, which means the solutions we offer are the ones best suited to your needs. And we integrate our proven methodology and safety protocol into every project to ensure its success before we even begin.

Although a DCS migration is a significant undertaking, you don't have to worry about project complexity or coordination, because we handle it all for you. We're with you every step of the way, and our support doesn't stop even after your migration is complete.

But perhaps the greatest advantage you get from a partnership with MAVERICK is just that: partnership. Through collaboration, we can help you make the right choices to get your project funded. Instead of a migration that would replicate your control system's existing functionality, you get a custom-fit solution that leverages the latest technology to make you more efficient, effective — and profitable.

Our people  
set us apart

400+

experienced and qualified  
engineering resources

50+

DCS migration projects  
(200,000 man-hours) per year

150k

Migrated/commissioned  
DCS I/O over the past 5 years

**We can also integrate these services into your migration:**

- S88 batch modernization
- S106 state-based control
- Advanced process control
- Asset management
- Embedded PM and program management
- Field services integration (including construction management)

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## DCSNext Resources



See how DCSNext can help you minimize downtime and increase profitability



Listen as our SME discusses control platform selection



Whitepaper: Upgrading Your DCS



Founded in 1999, MAVERICK is a platform-independent systems integrator in North America, and is a global leader in industrial automation, enterprise integration, sustaining services and strategic manufacturing solutions for clients across a wide range of manufacturing and process industries. With more than 400 professionals on staff at 21+ locations, we work with clients across a wide range of manufacturing and process industries — from life sciences to oil and gas to food and beverage. Our people, process and technical capabilities ensure delivery of the right solution, using the most appropriate technology.