



Danfoss

ENGINEERING
TOMORROW

HIGHLIGHTS

Online simulation for iC7 series: MyDrive® Simulation

Want to **collaborate** on **simulation, online?**

Execute your project faster

MyDrive® Simulation gives you the same product insights achievable by physically testing a real iC7 drive. This online simulation tool allows you to get started faster. System integrators and OEMs can test ideas with no risk of factory downtime, easy collaboration, and without paying for prototypes.

Speed up commissioning

Did you know that commissioning can consume up to 25% of project time, and that most delays occur during this project phase? Use MyDrive® Simulation to optimize system performance down to parameter level and thereby save money thanks to faster onsite commissioning. Use the online simulation tool to quickly determine system performance for a given drive and motor, or a given power conversion application.

Get the fidelity you need

With MyDrive® Simulation, you get a virtual test bench which meets the level of fidelity you require. It can eliminate the need for costly prototypes and de-risk project execution. Use the MyDrive® Simulation online simulation tool to identify and remove sources of failure much earlier in the development phase. You also save on laboratory time, space, and energy consumption.

Fast track system optimization

Reliable, valid data helps OEMs and system integrators solve issues fast, prior to commissioning. By using the same firmware control software and application software as the physical drive, you achieve high precision simulation results. You get data you can rely on, with no room for error.

Speed up and de-risk

- Improve safety for personnel
- Reduce time and cost of lab testing and commissioning
- Maintain full transparency by simulating the drive at parameter level
- Faster product development
- De-risk project execution by avoiding issues early
- Assess product and system performance before prototyping

Design efficiently

- Simulate the drive at the fidelity levels you need
- Software always up-to-date
- Balance speed and level of detail as required

Easy

online simulation
with FMU models
based on actual
drive code

Features and benefits

Feature	Benefit
Minimize the extent of building test set-ups and performing physical testing by maximizing virtual testing	Reduce overall testing time and cost
De-risk project execution in an early phase	Greater reliability in business model
Capacity to run end-to-end system simulations	Improve uptime and de-risk project execution
Easily simulate different power sizes together with different motor types, filters, for early integration of individual components	Enables you to invest in the optimal solution both cost- and performance-wise.
Assess efficiency of alternative configurations in the design phase	Reduce energy consumption in the application
Optimize parameters during the design phase	Reduce commissioning time
<ul style="list-style-type: none"> - High level of automation during testing - Test critical scenarios in a low-stress environment - Eliminate risk of equipment damage 	Improve safety
- Facilitates virtual system validation of software updates	Efficiently maintain and improve the application over its lifetime

Key benefits

1 Faster, more efficient workflow

Collaborate on your project with team members located anywhere around the globe. They can contribute from any web browser, with instant access and simple deployment. No IT investment required.

2 Easy to get started – and at low cost

Save money on simulation licenses and avoid the need for special training in simulation environments.

3 Save time and money due to faster drive commissioning

Streamline power size dimensioning and energy optimization of electro-mechanical drive systems. You can easily fine-tune drive parameters remotely. Test and optimize thoroughly in the virtual environment, before moving on to more demanding on-site testing.