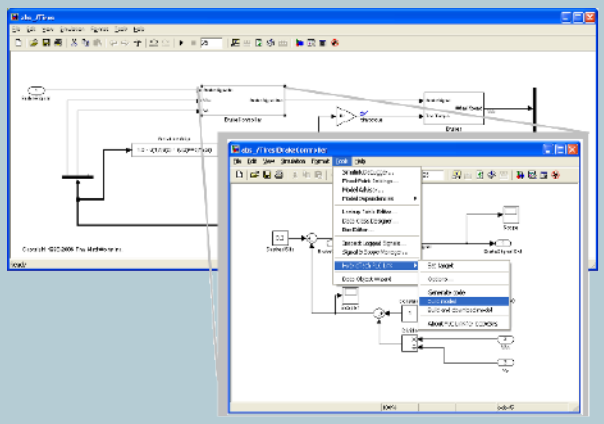
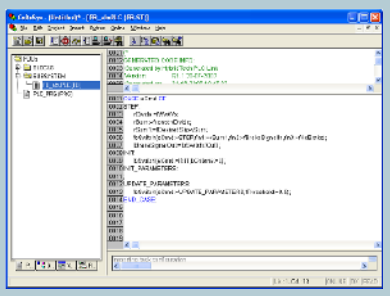
DEIF

-power in control

WIND POWER TECHNOLOGY





PLC Link

– IEC61131-3 PLC code generated from Simulink® models and Stateflow® charts

Unique compilation and code generation technology
Controller communication gateways

WIND

PLC Link

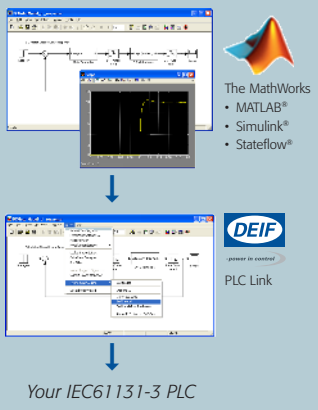
– Automatic IEC 61131-3 code generator

PLC Link from DEIF allows you to test and implement The MathWorks Simulink® control algorithms on your PLC hardware. PLC Link automatically generates IEC 61131-3 code from Simulink® models eliminating the need to translate Simulink® control algorithms manually.

MathWorks Partner

Key features

- Translate Simulink® models and Stateflow® charts automatically into IEC 61131-3 code as Structured Text and Sequential Function Charts
- Build stand-alone applications and download directly to your PLC or generate code for implementation into existing PLC projects
- Perform software-in-the-loop and PLC-in-the-loop testing
- Monitor your PLC system real-time while using Simulink® scopes for tests
- Tune your PLC system by updating parameters online using Simulink® or MATLAB® command prompts
- Support blocks using the standard Simulink® library
- Generate PLC code from embedded MATLAB® blocks
- Include custom IEC 61131-3 PLC code in the code generation process



Test and simulate

PLC Link provides connectivity between the PLC system and the Simulink® model, allowing the PLC to communicate with the simulation.

Online monitoring

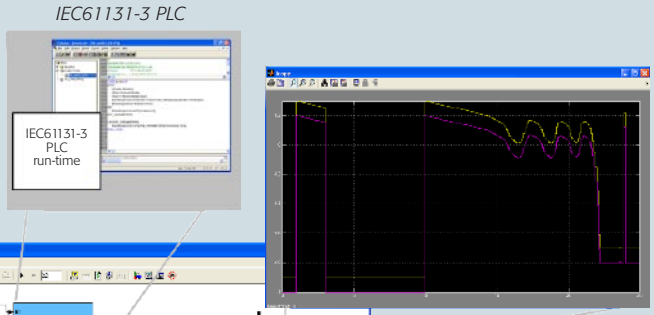
PLC Link offers access to the PLC system directly from Simulink® or MATLAB®. An included block-set allows for monitoring of variables logged by Simulink® scope blocks. Online parameter tuning is available through the MATLAB® command line.

Required products

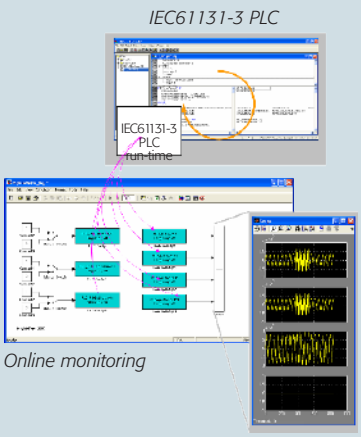
DEIF:
- PLC Link

IEC61131-3 PLC vendors development tool

The MathWorks:
- MATLAB®
- Simulink®
- Stateflow® (optional)



Test and simulation



Online monitoring

Want more information? Visit www.plclink.com

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