



CODESYS Engineering with AI support

AI-supported Engineering

CODESYS MCP Server for data exchange with AI systems

 Release 2026

Features



- The MCP server integrated into the AI system remotely controls engineering in the CODESYS Development System.
- The LLM automatically generates POU's and PLC code, thus reducing your programming workload.
- The AI can analyze and correct existing code, explain the functions of complex blocks, add comments, or even create test blocks for them.

Benefits



- Simply use a plain text command in the AI chat to automatically create the structure of a new CODESYS project.
- Watch as your AI software issues commands to automatically generate program code, independently develops suggestions, and corrects errors.
- Let AI search for syntactic or structural errors in your application and develop suggestions for improvement.
- Have the existing project code and its function explained to you.
- Use the AI as a virtual team member for simple programming tasks.
- No dependence on specific AI providers – even local LLMs can be connected.

Nominee for awards 2026:



Chatbot for the CODESYS Online Help

 Released 2025

Feature



Ask your application questions directly to the chatbot and receive clear instructions based on the CODESYS Online Help.

Benefits



- Rely on a tested result: The CODESYS support team already uses this chatbot for their daily work.
- The single source of truth: CODESYS Online Help Documentation, no AI hallucinations!
- Try it on your own: <https://www.helpme-codesys.com/>

Code completion for Structured Text in CODESYS 4

 In development

Feature



A local AI provides context-based suggestions as you type your code.

Benefits



- The AI saves you typing. However, you remain free to implement the desired program code.
- The AI analyzes and takes into account your specific program context in the current program block. As a result, it can provide you with much more advanced suggestions than the Intellisense® function in the CODESYS Development System.
- You can code faster and won't forget any parameters.

Strong CODESYS AI partner network



KS Solutions – AI Software to translate from and to IEC programming languages

Our new partner KS Solutions offers an AI that automatically translates IEC languages back and forth. Retrofitting machines from Instruction List to Structured Text or simply providing the same application in Ladder Logic and Structured Text with almost no additional efforts.

Intel Corporation – OpenVINO®

OpenVINO is an open source toolkit to optimize and deploy AIs on edge hardware. IP protection is key for enterprises, and OpenVINO assures that internal knowledge is not shared with external AI models.

Scan for more information about AI-supported Engineering! >



AI-supported Engineering

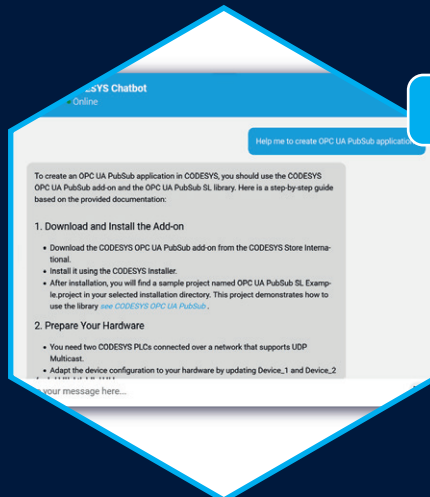
CODESYS MCP Server

for data exchange
with AI systems



Chatbot

for CODESYS
Online Help



Code completion

for Structured Text
in CODESYS 4

