Efficient development of stable and sustainable machine software solutions

www.ramp-up.ch

Model-driven
PLC Application
Development

Ramp UP your business.

AVM presents the first software tool for modelling and generating complete PLC applications.

Finally: model-driven application development replaces time-consuming programming. UP increases the development efficiency, makes the machine logic independent from the control platform and offers a comprehensive toolkit for implementation and maintenance over the entire lifecycle.

Platform-independent model
By using UP all developer are working in one single tool during the analysis, design and implementation phases. The UP user models the machine software mainly graphically. Code fragments complete the logic.

UML state machine
The state machines are the core unit of each application. The diagrams are easy readable and can also be discussed with project participants external to software development.

Integration in development tool
The generated code of UP is directly integrated into the SPS specific development environment - just like self-made, but generated automatically.

Web-based analysis
The application generated by UP is complemented by a versatile range of analysis tools, which are available for developers and technicians throughout the complete lifecycle.

HTML documentation
The documentation is also generated out of the model. This always assures the consistency between software and documentation.

Better than handcoded
From beginning on we had the requirement to generate code, which looks like it has been coded by hand. This objective has been clearly exceeded. By using systematic rules we generate a code, which is structured even better.

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ACTIF SOURCE

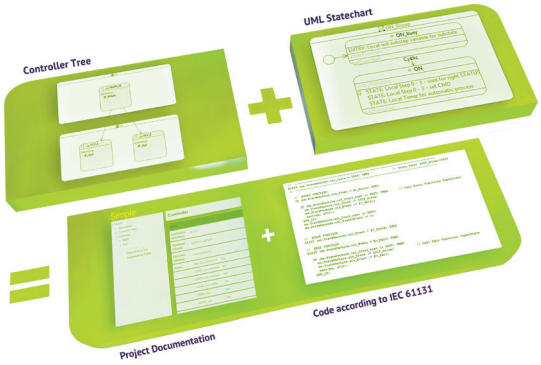
UP is basing on Actifsource

B&R SIEMENS

Application generation for B&R and Siemens S7 TIA already available. Other control platforms on request.

System requirements

Java	SE 8
Eclipse	4.5
OS	Win 7/8.1/10 gtk Linux
Architectur	64 Bit
Processor	64 Bit
RAM	8 GB
Disk	SSD



Why we recommend UP

With UP you daily gain efficiency and security. At the same time you solve with UP a problem, which affects the entire industry: Switzerland has a too high income level for carrying out easy programming work. The know-how and the resources should be optimally used. With UP we contribute to enable that the Swiss machine construction industry can also use the label „made in Switzerland“ from A to Z also in future.

We will gladly assist you with non-binding information. On our website you can find more extensive information:
www.ramp-up.ch

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