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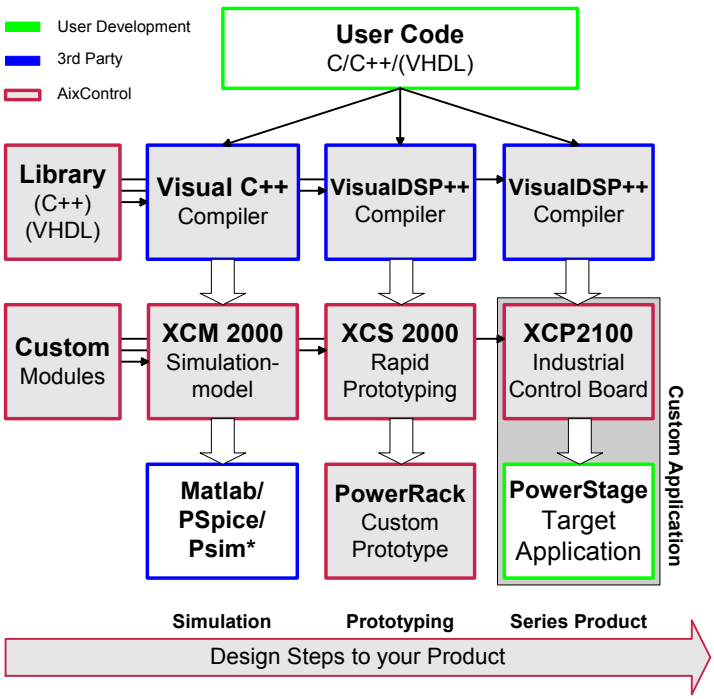
Flexible Control System

XCS 2000



The XCS 2000 Series is a versatile development tool for rapid implementation of ideas into new power electronic products. With our comprehensive tool chain we support users in all steps of research or development work.

Our philosophy aims at users writing only one code that can be used in all of the three steps of a development.



Simulation

Compilation with Microsoft Visual C++ in combination with our simulation library allows exact analysis in standard simulation environments like Matlab / PSpice or PSim*. Users can test and optimize the behavior of a control loop in simulation without potentially damaging real hardware. Ideal and real simulations help to get as close to the behavior of the real system as possible.

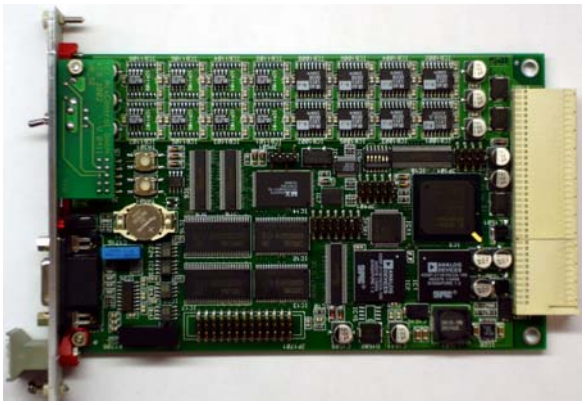
* Available 2nd half of 2006.

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Prototyping

Our XCS 2000 System with the VisualDSP++ compiler from Analog Devices allows very comfortable programming and testing of complex control structures and topologies. The user can choose between two system case sizes (standard XCS 2000 or compact XCS 2010 system) and a number of interface and communication cards.

The XCP 2000 double processor card with 100 MHz floating-point DSPs and up to 32 analog simultaneous sampling AD/DA channels is the heart of the XCS 2000 system. The backplane based system can be enhanced by a set of converter control cards, I/O-cards and communication cards for simple connection of standardized external components.



The converter control cards XCI 2000 can be connected directly to SEMIKRON Skiip® or Eupec PrimeSTACK® power stages. The base module contains all functional components whereas exchangeable front modules equipped with different types of connectors offer individual signal routing from the XCI 2000 to the external user specific hardware.



The XPR 2000 Power Rack can be directly interfaced to XCS 2000 systems and allow quick starting of complete power control development.

Series Production

Our brand-new XCP 2100 module and the associated industrial control system XCS 2100 offer a reasonable solution for transferring prototypes into a mass product.

Individual adaptations or complete developments are possible. Please contact us!

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