

XMOVE, ECU TEST CONCEPT

The xMove concept contains standardized processes and components to provide a customized system for test or simulation of industrial and automotive electronics.

Application areas

- Functional and performance testing
- HIL simulation (real-time testing)
- Production and repair test

The Solution

The xMove concept contains standardized processes, parts and components for the testing of electronic control units (ECU). The solution uses standard PC technology with real-time or Windows OS. The hardware is based on commercial components combined into a system for testing a single ECU or a network of ECU's. The larger system distributes the I/O and can be scaled to test up to 25 ECUs (>2000 signals). Today 40 xMove test systems are in use in over 4 continents.

Software

xMove software components and modules supports National Instruments' platforms TestStand and VeriStand, executed on Windows XP/7/8 hardware or using LabVIEW real-time targets.

Hardware

Interfacing the ECU's physical signals is a challenge when providing a test system, as many signals require customized signal conditioning. This may be due to signals that are unique or equipped with built in test functions. The signal conditioning may also change due to ECU software changes.

Xmove addresses those challenges and we solve them by use of standardized components, such as our GOBI board, in combination with exchangeable loads and flexible I/O.



For more information visit: <http://www.aliaro.com> or contact us by mail sales@aliaro.com

The information provided in this document is preliminary and is subject to change by Aliaro without prior notice.



ALIARO

Aliaro is an established Test Solution & HIL (Hardware-in-the-loop) provider in Sweden with offices in Göteborg, Lund and Shanghai. We have together with National Instruments designed a modular, flexible and cost-efficient platform for testing and HIL where modules from NI and Aliaros flexible modules in SLSC chassis enables the customers to work in an open and changeable platform where rapid changes are allowed. We enable continues integration for faster and safer development. By working with our partners, we offer a global support with a comfortable support and warranty program for the customers to choose between.