

ENV 06

The New Vision Of Electrolux in 2006



 **Electrolux**

- ENV 06 = Electrolux New Vision 2006
- New electronic platform for washing machines and tumble dryers
- New design for all Electrolux household appliances

Why ENV 06?

 **Electrolux**

- Optimization of costs
- Reduction of complexity
- Max. flexibility
- Expressive design
- Easy To Use
- less components (standardisation)



Market launch in September 2006 for:

⇒ **WET**

⇒ **HOT**

⇒ **COLD**

Later: ENV06 for Quelle and AEG will follow.

Tasks of the ENV 06 main board:

- Control of all electrical components (valves, motors, pumps, heatings, door lock, ...)
- Reading the input parameters for cycle control (water level, door lock status, motor speed, temperature, ...)
- Reading the sensor values (weight sensor, pressure sensor, ...)
- Management of a serial port to connect the machine to external devices for testing and configuration
- Management of a serial port to connect the machine to different types of LCDs and to the external LCD user interface
- Management of a Macs bus in order to have the possibility to connect additional boards without the need to redesign the main board (external motor control, WD board, steam generator board, ...)

ENV 06 Example Washing Machine

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ENV 06 Example Tumble Dryer

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ENV 06 Example

8kg Washing Machine

 **Electrolux**

New top
New control panel
New front panel
New porthole



ENV 06 Beispiel Wäschetrockner

 **Electrolux**

New top
New control panel
New plinth



ENV 06 Example Washing Machine Top Loader

 **Electrolux**

TOP LOADER
WASHING MACHINE
FLAT SOFT



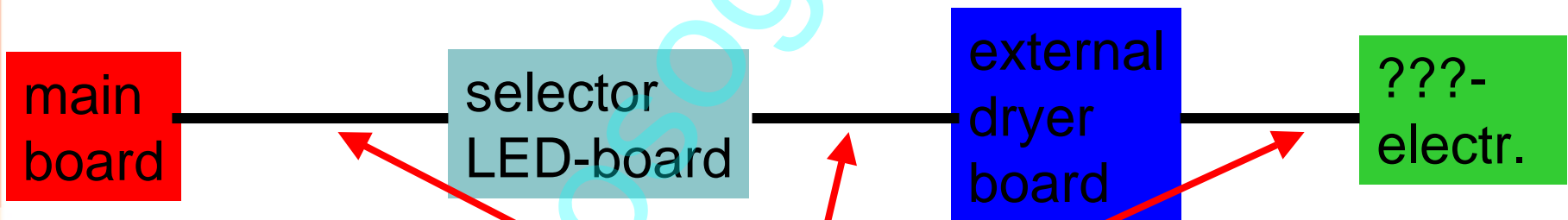
ENV 06 Hardware – structure:

- 3 main board variants (User interface and main control in one board)
- 1 external motor electronic (Inverter)
- 2 different LCD-displays connected to the main board
- 1 external LCD user interface board for High Level machine
- Additional electronic boards for special applications (Dryer board, steam generator, ...)

ENV 06 Macs Bus

The ENV 06 electronic board can create a **modular** system, that means, additional electronic boards can be connected to the main board using the Macs bus for connection.

→ **Very high flexibility**



Connection by Macs Bus

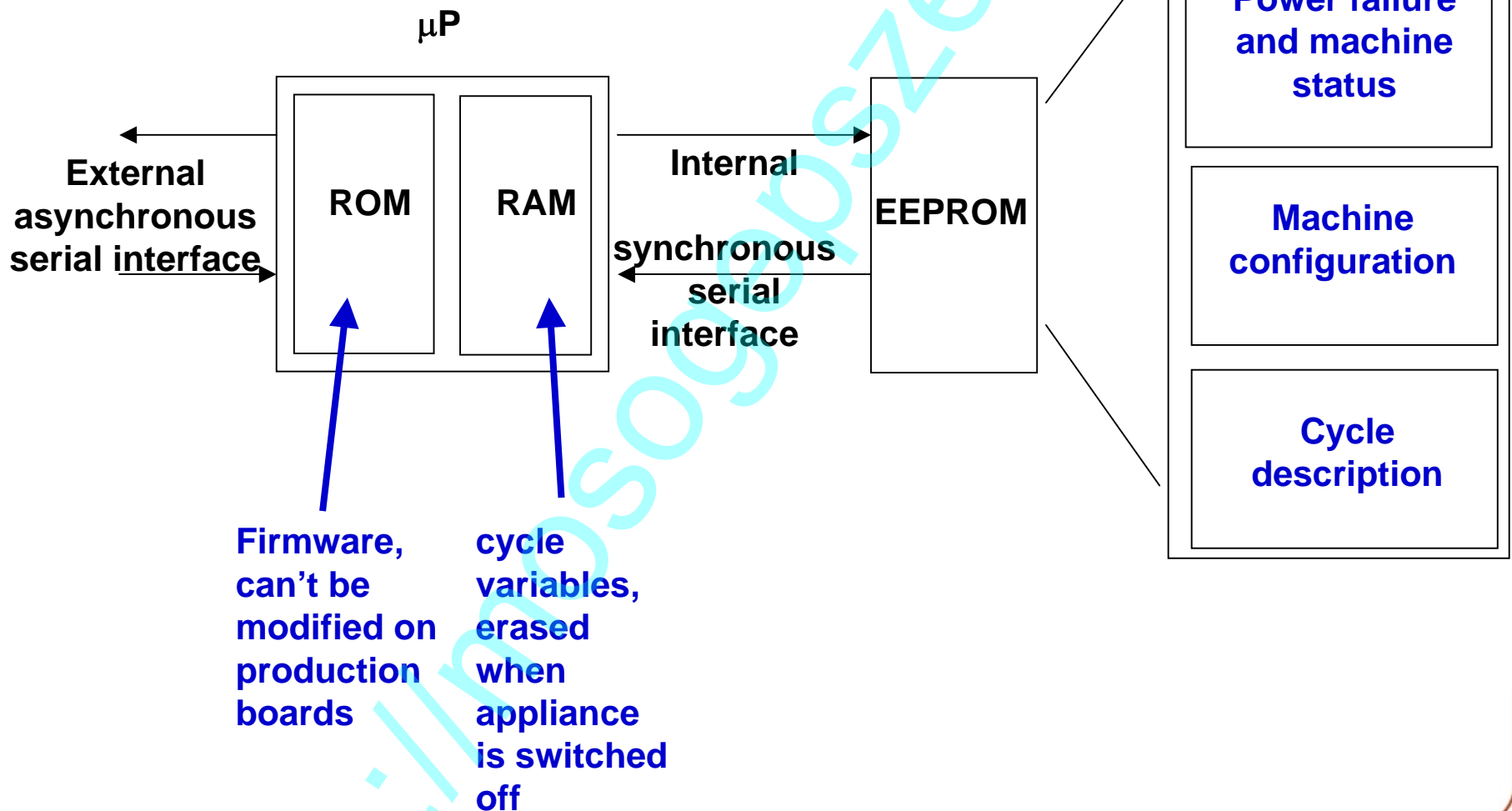
High flexibility with:

- complete standardisation of hardware solutions
(e.g. electronical pressure sensor in all controls)
- New microprocessor family with high programming speed
- New configuration tools

Configuration will be done in the assembled appliance

The complete software will be programmed, that means

- **ROM Code** (hex file, basic software)
- **EEPROM** software :
 - **MCF** (machine configuration code)
 - **CCF** (cycle configuration code)
 - **Power Fail Data**

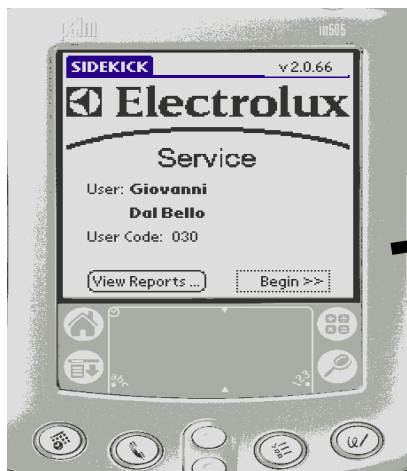


- **Programming of the main boards in warehouse**



- **Sidekick**

Sidekick



For service: diagnostics and configuration