

VARAN Implementation Roadmap for MACHINE BUILDERS

Machine and installation builders want to use dependable and upgradeable components and at the same time keep an eye on costs.

The total costs of real time Ethernet bus systems currently on the market are approximately the same. The VARAN bus stands out with simple operation and implementation as well as high data security with immediate acknowledgement.

What do I need as a user to build a VARAN bus system?

1. Control with VARAN Manager

- C-IPC + VM051
- ETV Control Panel Series
- S-IPC or Standard PC with VARAN-PCI insert card PCV521
- *Standard PC over a standard Ethernet port (low real time performance)*

2. Operating system

With a real time operating system, the full performance capacity of the VARAN bus unfolds. Windows is also supported as an operating system.

3. VARAN Modules

Actuators and sensors implemented with VARAN client.

4. VARAN Splitter

VARAN bus splitter modules, VSV041, or client modules with VARAN-Out ports such as CIV512 or VDM085 are used to build the bus topology (tree, star, linear).

5. VARAN Safety (optional)

The single channel safety inputs and output modules, VSI011 and VSO011, are in compliance with SIL3, KAT4 und PI e certified.

The VARAN module license fees are paid by the manufacturer so, for the VARAN user and operator, no fees must be paid.

A membership in the VNO is also not required. However, it is recommended so that the future of the VARAN bus can be actively supported.