



DESCRIPTION

CSEM developed a versatile software framework which combines latest technology in automation and robotics with image processing. It allows to integrate with a minimal effort a large variety of sensing devices to a common platform. . New concepts like 3D lightfield cameras, online condition monitoring, machine learning and database connections are all easy to be integrated into the modular approach of VISARD (**V**ision **A**utomation **R**obotics **D**esigner). The CSEM VISARD is designed as a PC-based one stop solution for special-purpose machines or processes. The idea is to have a full substitute of a PLC architecture with all the benefits of modern software tools

FUNCTIONALITIES & CHARACTERISTICS:

- Integration of several concepts in one modular approach for Industrial Automation 4.0
- Condition Based Monitoring and Predictive Maintenance
- Logging: xml, database, cloud

EXAMPLE OF APPLICATIONS

- Inline quality control
- Collaborative robotic concepts in production
- Special purpose machines / measurement machines

UNIQUENESS

The CSEM VISARD is a powerful tool for industrial integrators and also for end customers. It supports the commissioning of complex systems. It offers the user an intuitive, graphical user interface and enables even non-IT experts to set up systems productively in the shortest possible time. Until now, customers have been dependent on isolated solutions that required a special level of training. Here we claim to offer a solution that considerably shortens the time from the idea to the process and streamlines maintenance work.