EDBOARD – INDUSTRIE 4.0 LEARNING TABLE

INNOVATIVE LEARNING AND TEACHING TABLE HELPING TO DRIVE INDUSTRIE 4.0 AND DIGITALIZATION

Education and training solution

SUMMARY

edboard is an innovative learning and teaching table that focuses on the topics of Industrie 4.0 and digitalization. It is being used in schools and higher education as well as in training and professional development programs to teach content from the field of microprocessor, automation and communication technology in a simple and accessible way.

edboard solves the problem of enabling the "intangible" IT processes of digitalization to be represented quickly and accessibly.

SOLUTION

Zeppelin-Gewerbeschule and Modellfabrik Bodensee are using edboard, comprising a robust aluminum frame with a high-quality workbench to which a magnetic whiteboard is attached at right angles for visualizing various networking tasks and IT processes. The whiteboard is used to position and network or interconnect the various modules.

This enables the individual modules to be set up and networked simply, easily and quickly. Valuable teaching time is used almost entirely for explaining content, and no time is wasted with unnecessary preparatory and follow-up tasks.

CONTACT

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PARTNERS

PROJECT DESCRIPTION

edboard offers a large number of modules encompassing different automation and networking components as well as sensors and actuators. Alongside the standard catalog ranging from microprocessor-based to industry-typical modules, individual modules can also be made available. The same applies to actuator, sensor and communication technology or further required devices that can be combined in a broad spectrum of indicators, servomotors, routers, network components and so on, or extended on an individual basis.

REFERENCES

- www.youtube.com/watch?v=OuEjg-01ra0
- www.edboard.de

INDUSTRIE 4.0 – FEATURES

Modules with technical components required as the basis for Industrie 4.0. Visualization and teaching of the IT processes associated with digitalization to highlight the differences compared to conventional automation technology.

STANDARDIZATION APPROACHES

Modular approach. Integrated didactic concept with options for standardized programming and networking, equally suited for use in consumer and industrial technology and for programming through networking (familiarization with standards).