ALPHAGATE

A-VIS - Visualization Software

What is A-VIS?

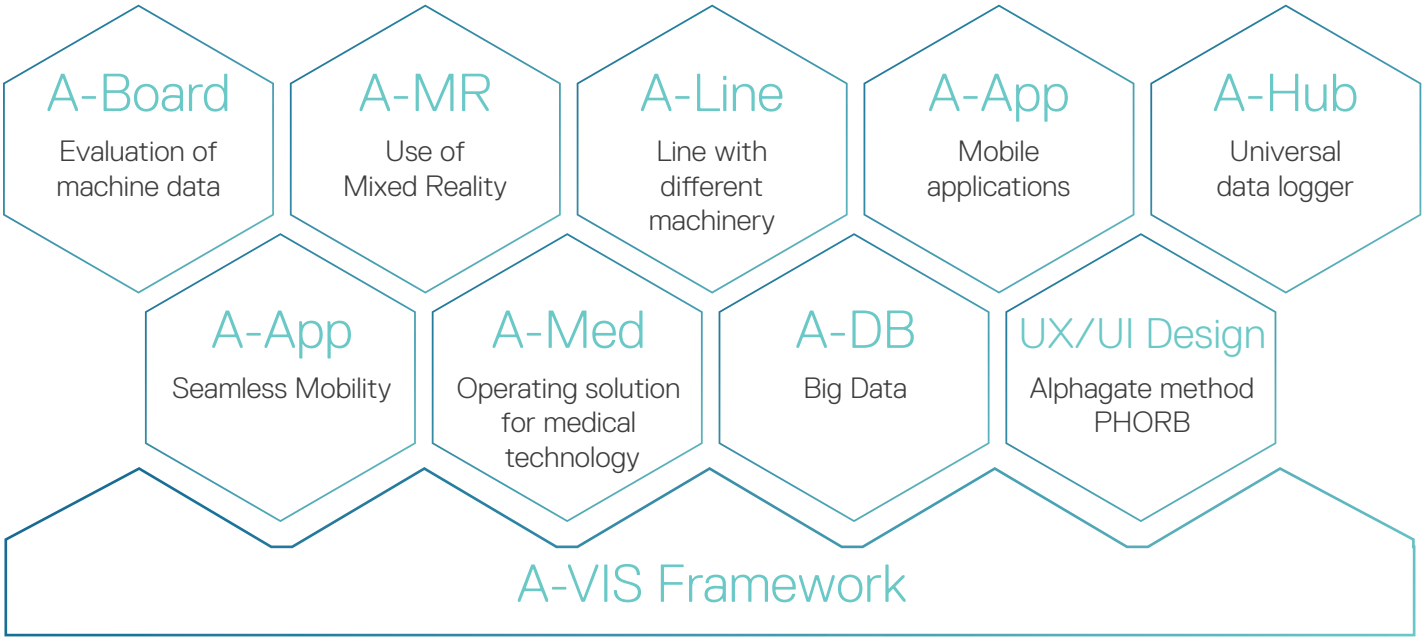
Our claim is simple, intuitive and graphically appealing. Innovative and technologically sustainable in the implementation is our guiding principle.

Inspired by the familiarity of nature, Alphagate develops a unique UX/UI Design. With A-VIS this is poured into user- and process-oriented software.

Alphagate designs and implements complete operating concepts for machine builders and manufacturers of medical devices. The individually created UX/UI Design reflects the requirements of the process and the best possible guidance and support for the operator of the device. Alphagate uses its SCADA software A-VIS to create a unique software framework based on the operating concept. A-VIS offers connectivity to all important PLCs and data sources. Alphagate offers several additional enhancements and products that can be used seamlessly with the Alphagate solution, such as A-MR (Mixed Reality), A-DB (Big Data) and many more.

Services

- UX/UI Design
- A-Consult
- A-Marketing



Human Ready.

Structure of A-VIS

A-VIS is a visualization tool, created and continuously optimized for the creation of an HMI for the mechanical engineering, plant engineering and medical technology. This is designed for communication between human and machine.

Open for everything

A-VIS offers interfaces for all common controls and data sources.

Modules and extensive functionalities

A-VIS is an innovative tool for creating intelligent visualization and operating solutions that meet the highest demands. Developed by software and UX experts for international use on production machines, systems, and devices in medical technology. A-VIS is implemented with pure Java and equipped with a consistent client-server architecture. The range of functions corresponds to that of a modern HMI or SCADA tool, which was also supplemented by requirements from usability and internationalization.

A-VIS currently forms the platforms Java AWT, Java Swing, Java Fx, and HTML5. This means that the applications that were configured with this development environment can run on all common platforms - from small single-board solutions to classic IPCs under Windows or Linux to smart devices. During development, special attention was paid to customer-specific adaptations. Of course, the development environment is delivered with the style guide and operating concept specially developed for the customer - the style guide is virtually

Message Manager

The main purpose of the message manager is to retrieve, process and forward messages to other modules. The manager provides basic functionality to support an application's main message requirements.

Page/View Manager

The main purpose of the A-VIS Page Manager is to simplify the management of a hierarchy of pages and templates.

Datalogger Manager

The manager collects data from various sources, controls, and databases that are available for analysis and discussion.

Unit Manager

In many cases, an HMI must display values in different units. The unit manager covers these needs.

Dataset/ Recipe Manager

The manager is a mechanism for saving and restoring device settings and recipes.

Text Manager

For all text-related requirements, A-VIS provides the Text Manager, which contains the functionality to meet all requirements.

User Manager

Dealing with machines is complex, tasks should often be assigned to different user roles.

Graphics Manager

The purpose of the manager is to simplify the management of graphics resources by providing functions that perform the necessary file operations in the background.

Color Manager

Colors are important in HMIs. The manager takes care of different perceptions, cultures and situations.

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