

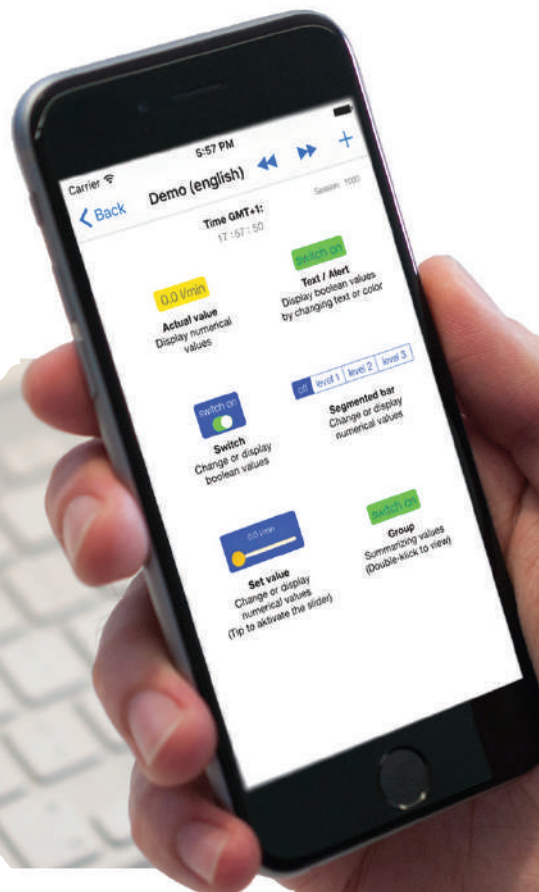


Our customer is a company based in Germany. The company has many years of experience in automation technology and software development. Our customer seeks to expand the frontier of human-machine interfaces (HMIs) and replace conventional systems with advanced technologies while making plant and equipment easier to operate.

## About the project

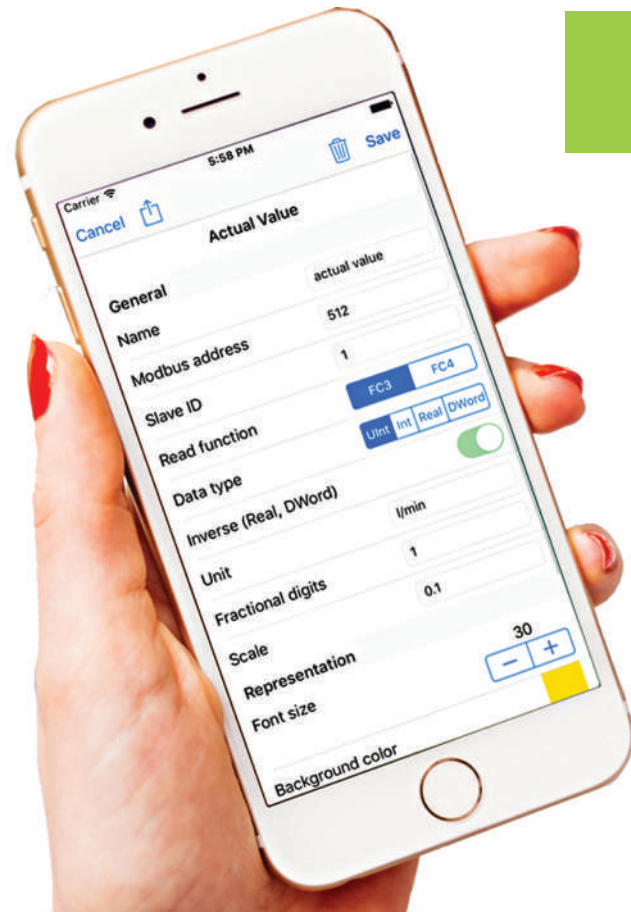
This is an **iOS/Android** application. It creates interfaces for plants and equipment on both smartphones and tablets. As a native app, this version offers an outstanding user experience in the everyday use and requires little effort to install.

The Modbus TCP industrial bus protocol allows the app to communicate with practically any machine. Users can learn the status of the plant at any time and send commands to its control unit.



## Challenges

- provide possibility to create HMI for plants and equipment on smartphones and tablets and share it with colleagues
- allow to control directly plants and machines which support Modbus Protocol
- provide stable work when data transmission is slow
- create an outstanding user experience for daily use



## User Features

- get direct connection between your app and the plant or machine
- learn the current status of the plant in one click
- send commands to the plant directly via application

## Technical Features



**VPN connection between the app and your plant**



**encrypted file system within the app**



**interface to WeConnect (VPN service from Westermo Data Communications GmbH)**



**encrypted connection to the HMI portal**



## Technologies Used

**SSL**

ssl



encryption



objective-c



c/c++



tcp/ip



modbus protocol