

TARKA

portable data systems



TARKA-SYSTEMS

The company TARKA-SYSTEMS was founded to provide client-specific, easy-to-use data-acquisition systems for portable field tools or complete field applications.

Companies executing field measurements often develop their own equipment while available products on the market do not meet their specific hardware and software requirements. Although these systems need to be qualified for harsh environments and constant travel around the world, the reliability and functionality of these systems often depends on the capabilities and limitations of the system designer.

Although every field system has its own specific requirements, all systems need to fulfill the following common specifications:

- Easy -to-use, integrated hardware and software
- Robust, portable solution in a rugged case to withstand travel and harsh environments.
- Battery powered.

Companies need to be able to rely on their measurement equipment as a solid tool. Self-built systems often result in unexpected hardware, software or integration problems. The result is often a system which does not cover the original specifications and/or has very high development costs.

Why TARKA-SYSTEMS

TARKA-SYSTEMS products are developed with the end-user in mind and with the benefit of professional knowledge of hardware components and software tools. The field or trouble-shooting engineer needs an easy-to-use reliable tool without the kinds of software and hardware problems which often arise when components of different suppliers are combined.



Goals of TARKA-SYSTEMS

- To provide client-specific, easy-to-use data-acquisition systems for portable field tools or complete field applications, complete hardware and software solutions.
- To translate clients requirements into proven hardware units and easy-to-use and reliable software without any unnecessary overhead.
- To provide rugged single-case solutions with integrated data gathering, visualization and power supply.
- To assist with on-site sensor and system installation.

Although TARKA-SYSTEMS has its own preferred hardware and software components, requests for other client-specific tools are always negotiable.

Application areas

Civil engineering, Ecological, Hydrographical, Structural monitoring, Mining, Drilling, Diving, Maritime Research, Archeology, Meteorology.

Client's responsibility

All data-acquisition systems require sensor data on the input side. The field sensor market is enormous and it is the client's responsibility to specify and calibrate their own sensors on the input side.

TARKA-SYSTEMS provides all measured data on the output side of the system. Post-processing of the measured data is client's responsibility. Run-time serial output of the measured data is possible for direct readout or for integration of the system in a larger measurement setup.

Advice/Assistance by TARKA-SYSTEMS

With 15 years of experience, TARKA-SYSTEMS can advice on measurement setups and related hardware and software components.

Additional to the advice, TARKA-SYSTEMS can assist during installation and startup of larger measurement systems.