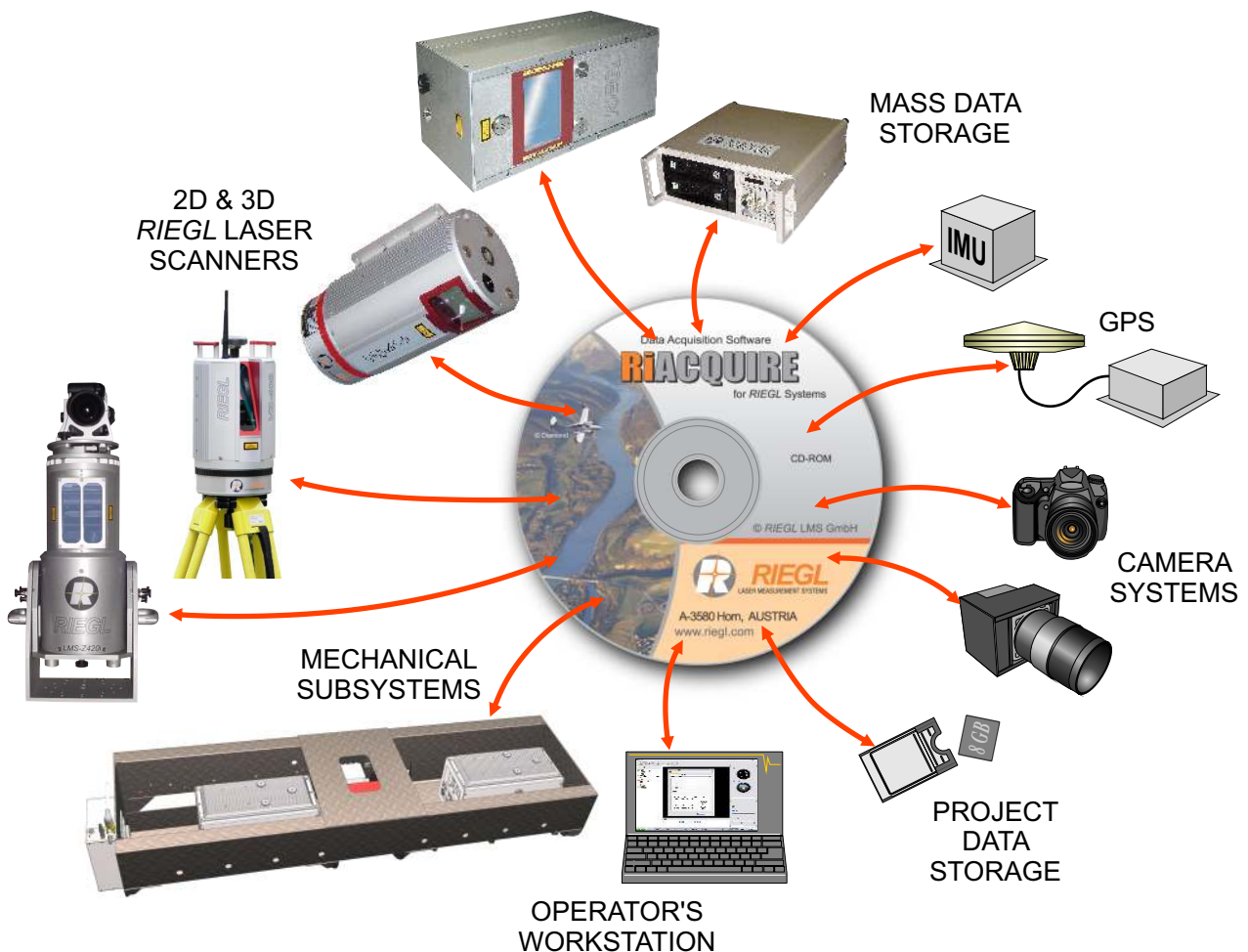


RiACQUIRE

Accompanying Software to RIEGL's Airborne and Mobile Laser Scanner Systems

RiACQUIRE covers a wide variety of tasks present in RIEGL's mobile and airborne laser scanning systems. Both, mobile and airborne systems comprise at least one laser scanner, a position and attitude measurement system, and an operator's work station. Many systems further comprise camera subsystems, additional laser scanners, mass data storage devices, and mechanical subassemblies.



The tasks covered by RiACQUIRE are allocated to the phases of system integration, system verification & testing, and operational data acquisition.

visit our webpage
www.riegl.com

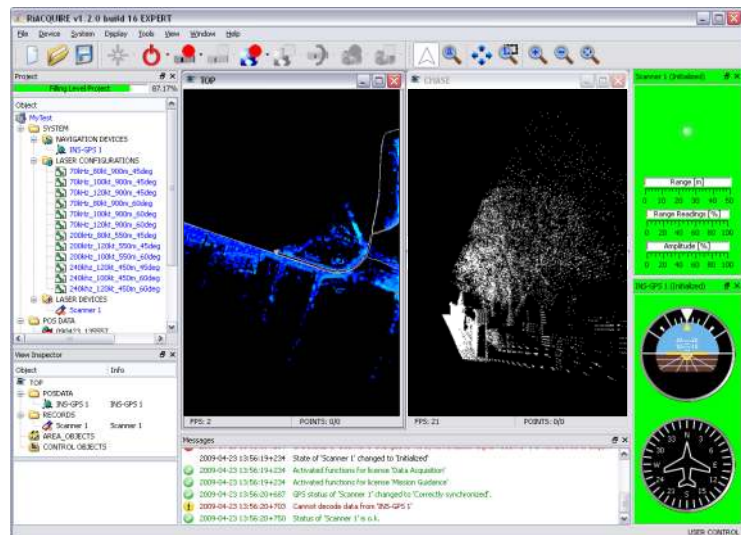


RIEGL
LASER MEASUREMENT SYSTEMS

System Integration	Verification Testing	Operational Data Acquisition
<ul style="list-style-type: none"> - identification of system components - definition of interfaces and protocols - configuration of system components 	<ul style="list-style-type: none"> - verification of cabling and communication - verification of configuration - logging of warning and error messages - logging of communication - checking consistency of project data prior to survey 	<ul style="list-style-type: none"> - acquisition and storage of data - management of mass data storage - visualization of system status and navigation information - analysis and visualization of on-line data

An easy to use but powerful interface enhances communication with the supported *RIEGL* laser scanners. With the aim of reducing the work-load for the system operator, only the most relevant information is displayed and tasks can be executed semi-automatically. Scanning parameters are easily changed by choosing a predefined parameter set. The graphical user interface takes into account the difficult working conditions inside the aircraft, vessel or vehicle by providing large control buttons, easily pushed even in turbulent conditions.

To assure data quality RiACQUIRE is able to collect monitoring data from the laser scanner and online data provided by the IMU/GPS system. RiACQUIRE provides visual information about the actual measurements from the GPS/INS system to easily check the plausibility of the results. A continuous recording of system status, GPS/INS attitude and position, and all the interactions of the operator with RiACQUIRE, provides a detailed history of the survey mission, which is stored for analysis and documentation later on.



Key Features

- Controlling *RIEGL* airborne and mobile laser scanners semi-automatically or manually
- Supported *RIEGL* Laser Scanners: LMS-Q680, LMS-Q560, LMS-Q240(i), LMS-Q120(i)(ii), LMS-Z420i, LMS-Z620, *RIEGL* VZ-400, *RIEGL* VQ-480, *RIEGL* VQ-380, *RIEGL* VQ-180, *RIEGL* VQ-250
- Supported IMU/GPS Systems: IGI AEROcontrol, Applanix POS AV/LV/MV, OxTS RT Family, GGS AeroDIDOS
- Highly simplified system status feedback for fast recognition by the operator
- Easy access for the operator to configure system parameters
- Quality assurance with a detailed history of events, system parameters and operator's interactions stored for analysis later on
- Monitoring data via UDP, TCP, and RS232 Interface

Information contained herein is believed to be accurate and reliable. However, no responsibility is assumed by *RIEGL* for its use. Technical data are subject to change without notice. Data sheet, RiACQUIRE, 03/12/2009



RIEGL
LASER MEASUREMENT SYSTEMS
www.riegl.com

RIEGL Laser Measurement Systems GmbH, A-3580 Horn, Austria
Tel.: +43-2982-4211, Fax: +43-2982-4210, E-mail: office@riegl.co.at
RIEGL USA Inc., Orlando, Florida 32819, USA
Tel.: +1-407-248-9927, Fax: +1-407-248-2636, E-mail: info@rieglusa.com
RIEGL Japan Ltd., Tokyo 1640013, Japan
Tel.: +81-3-3382-7340, Fax: +81-3-3382-5843, E-mail: info@riegl-japan.co.jp