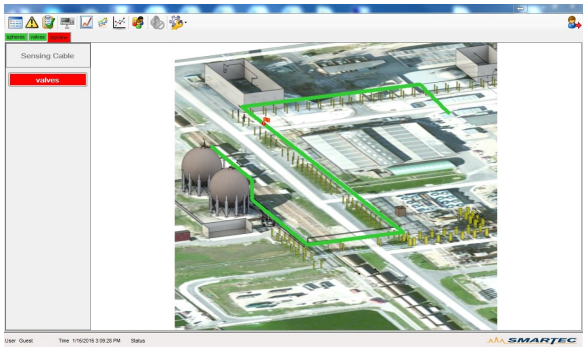
DIVIEW SOFTWARE

Software



DISTRIBUTED STRAIN AND TEMPERATURE DATA MANAGEMENT AND VISUALIZATION SOFTWARE

Advanced data visualization on maps and 3D layouts.
Alert generation and communication with SCADA systems.

Description

The Distributed Data Management and Analysis Software DiView is an integral and fully compatible part of SMARTEC distributed monitoring systems. In particular, it is designed for data storing, processing, representation and analysis, as well as for the control of single or multiple DiTeSt (Brillouin Scattering) and DiTemp (Raman Scattering) reading units. DiView is also used to store and manage data in a centralized interface.

The main functions of DiView software are aimed to measure and analyze distributed sensors automatically. The operator can view in real time the sensor's measurement history in graphical form. Software is also able to trigger alerts (SMS, mail and phone call) and show warnings on the display. Warnings can be generated for different types of events, including: Strain, Temperature, Leakage and Crack. The software is able to combine measurements from different sensing cable, to obtain complex results, such as temperature compensated strains. An optional module is dedicated to the detection of leakages from pipelines, dikes, reservoirs and other similar structures, by identification of local temperature anomalies. Another optional module is dedicated to the detection of crack from distributed strain data. The DiView software and the additional module offer numerous configurable parameters and options. SMARTEC offers parameterization and customization services.

The software stores all information related to a sensor in a single database structure. All data and alerts can be easily exported to third-party software as well as SCADA systems.

Key Features

- Real-time measurement analysis of single and multiple distributed sensors
- Measurement and alarm plots on maps
- Automatic and scheduled measurements
- Fully compatible with SMARTEC distributed monitoring systems (DiTeSt and DiTemp)
- All data stored in a relational database
- Sensor history display
- Leakage detection and other advanced alarms
- SCADA integration

Applications

- Alarm triggering
- Alarm messages, email, SMS, acknowledge via SMS
- Remote connection

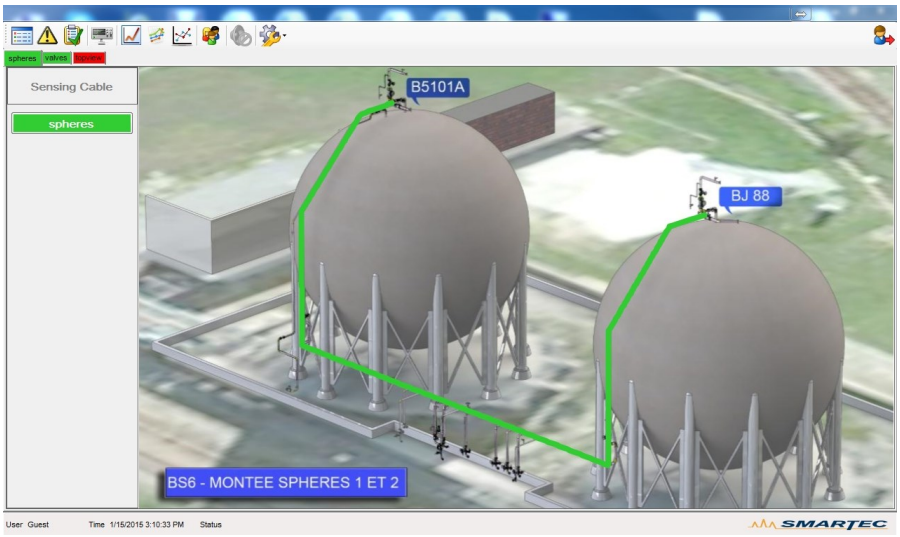
DIVIEW SOFTWARE

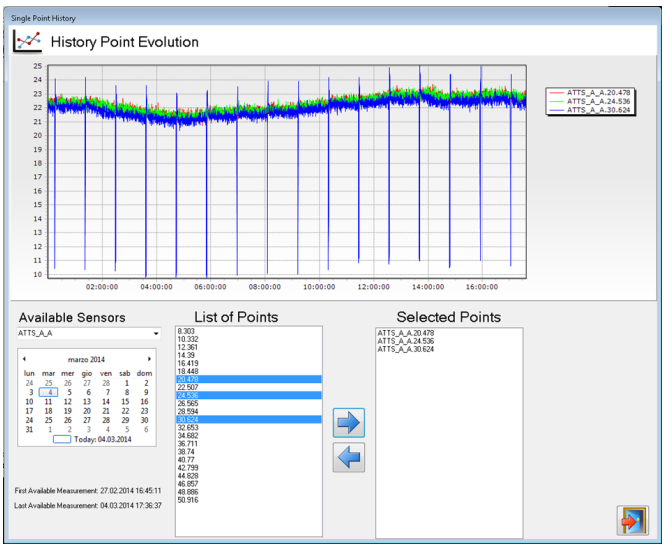
Software

Main Functions

Measurement functions:	Measurements of SMARTEC distributed monitoring systems (DiTeSt and DiTemp) and sensors. Results storage in single relational database.
Display functions:	Map view, Alarm view, Measures view, Historical view, others upon client's request
Additional functions:	Crack detection Leakage detection Warning and information messages (Email, SMS, SMS acknowledge)

Distributed Data Management Software requires Windows to run. Minimum PC/Server specifications available upon request.





Roctest Ltd,
680 Birch Street
St-Lambert, Quebec
Canada J4P 2N3
Doc: SMA 20.2010

Phone +1 450 465 1113
Fax. +1 450 465 1938

Email info@roctest.com
Web www.roctest.com

Roctest reserves the right to make any changes in the specifications without prior notice