# TiltSoft

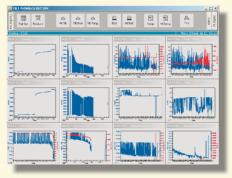
The rich feature set of the *TiltSoft™* software delivers high-quality and easy to use volcano monitoring capabilities.



#### MONITORING

hatever your monitoring needs are, *TiltSoft* <sup>™</sup> is the answer to your surveillance fields: seismic data, RSAM, SSAM, rain falls, GPS and tiltmeter deformations, gas analysis, chemical lava compositions, temperatures, battery levels, AFM Lahars, lake degassing processes, etc.

TiltSoft<sup>TM</sup> is right on the target: it has been designed by a volcanologist for volcanologists.



The application brings critical information in an attractive way that anybody can quickly understand. This tool is a support to the persons in charge of the surveillance. That's why it turns data into charts.

Columns of numbers are useless during volcano crises! Whereas charts and alarm warnings are understood immediately and can convince decision makers to take appropriate actions to save lives and goods.



Complexity and customization of the software is handled through a logical user interface that eases the configuration and the navigation tasks.

It has been designed for intuitive use, and lets the users organize the charts the way they want. Zooming is available for each of them.

#### EASE OF USE

The users graphically navigate through the set of devices and define their parameters in categorized dialog boxes.

Colors, axis scales, units, titles, time frames, etc. Everything is controlled from the configuration center. It offers flexible ways to present the data the way they want.

Device Settings	Device Specific	cations
Devices	Instruments Network Device 01 Device 02 Device 03 Device 04 Device 05	Identification Settings Device ID: 5191 (Handi-logger ID_T1) Device Type: Tiltmeter Name: Tilt03
Formulas	- 🛆 Device 06	Comment: IP Number: * 195.176.166.nnn Directory: C:\PC208W\Data\03 Filename: HLP003.DAT (specify the extension)
Alarms Chart Settings FTP / Backups Licencing		*Note: The IP number domain shown here is the one of this computer. The first 3 groups of digits should match the ones used in the handi-loggers. If the handi-loggers IP addresses are different, you should eithe change them, or change this computer IP address to match the All IP numbers have to be different.

## **ADVANCED FEATURES**

Data collection can last for long periods of time, and is therefore directly subject to degrading conditions in such hostile environments as volcanoes.

TiltSoft<sup>™</sup> offers an inventive way to correct the data over time by letting the users enter mathematical formulae, as parameters, directly into the application, avoiding them to export the data in an external application to apply corrective factors. Drifting instruments, errors, etc. can be corrected on the fly.



## SOFTWARE

Its architecture makes it expandable to specific requirement in case yours are not already covered by its functionalities.

TiltSoft<sup>™</sup> can be used right out of the box if you organize your data acquisition in a simple selfdescribing manner through an easy-to-use file structure wizard that will create databases for you.

DATA IMPORT	WIZAR D		_ 🗆 ×
Manually config	ure files		
Network Name:	RHNETILT	(Max 12 cha	racters)
Station Name:	VIS2	(Max 12 cha	racters)
Type all varia	bles except the	e Date/Time Stamp	
Variable #01:	BATT	Integer 👻	📐 Clear all
Variable #02:	TEMF	Float 👻	import
Variable #03:	WEST	Integer 👻	Structure
Variable #04:	NRTH	Integer 👻	
Variable #05:		Integer 👻	
			Create DB
Filename will k			
		ATT_TEMP_VVEST_NRTH.D.	AT
Automatically in	nport data (w	izard for EXISTING databa	nses)
Pick a file in the	drop down men	u and then click Run Wizard	k
C: Wy Projects \1	ilt\data\200111	_RHNETILT_VIS2_BATT_TE	MP_WEST_NRTH -
			🍰 Run Wizard

"In volcanology, a pic-

ture can be worth a

thousand lives."

ALARM

17-Feb-03 12:00:23 -> 01: Temperature too HIGH 17-Feb-03 12:00:23 -> 02: Data variation on Tilt X 17-Feb-03 12:00:23 -> 02: X exceeds max threshold 17-Feb-03 12:00:23 -> 02: Temperature too LOW 17-Feb-03 12:00:23 -> 03: Data variation on Tilt X 17-Feb-03 12:00:23 -> 03: Data variation on Tilt X 17-Feb-03 12:00:23 -> 03: X under min threshold 17-Feb-03 12:00:24 -> 04: X under min threshold 17-Feb-03 12:00:24 -> 04: Battery voltage too LOW 17-Feb-03 12:00:24 -> 04: Battery voltage too LOW 17-Feb-03 12:00:24 -> 04: Temperature too HIGH 17-Feb-03 12:00:24 -> 05: Battery voltage too HIGH

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Close

TILTMETERS ALAR

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If required, training is available on site, covering the software use and configuration as well as the devices deployment to the field (training is provided in English or French).

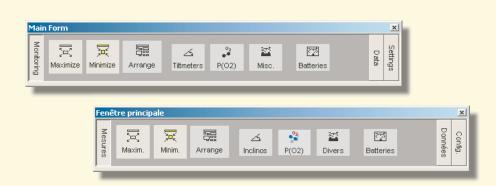
Training is provided by a volcanologist involved in monitoring since 1993.

Also, software customization is available to fullfill any specific requirements you may have.

Contact TiltSoft for a quote.

The software user interface can be easily translated into local languages in order to cover your audience needs. The end-users will receive tools to do the translation at their convenience, without being tight to TiltSoft.

Any language supported by Windows<sup>™</sup> is available, including non Roman characters such as Russian and Japanese.



**EXPERTISE** 

#### **PRODUCT SPECIFICATIONS**

- 1 to 20 charts
- database operated for fast access and data sorting
- ftp enabled
- real-time monitoring
- multitasking
- alarm handling
- zooming
- powerful chart customization
- fast built-in formula interpretation
- fully documented manual

Minimal requirements

Windows<sup>™</sup> 2000/XP Pentium III 600Mhz 256 Mb RAM 1024x768 minimal resolution

Internet connection recommended

# www.TiltSoft.com

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