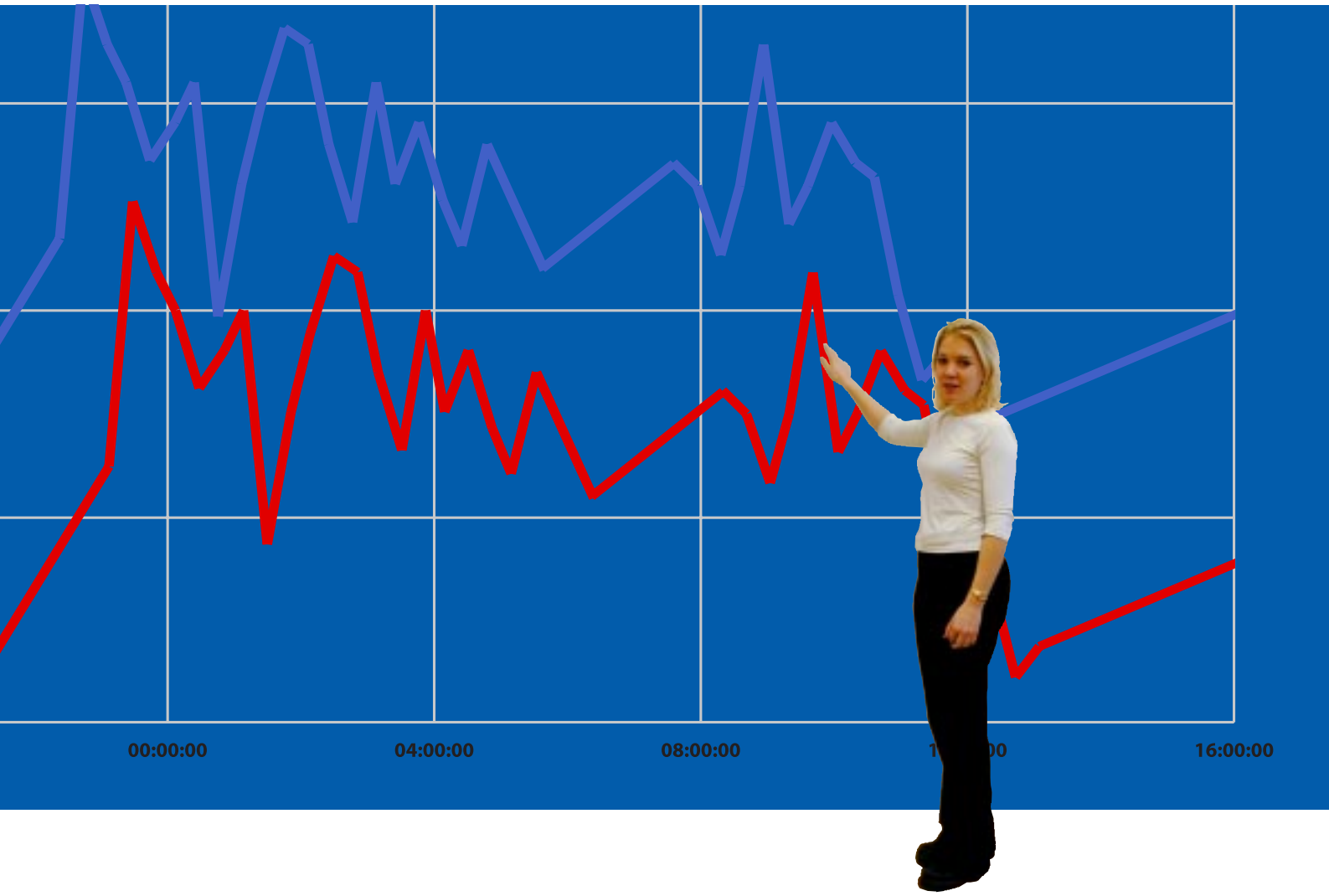
Mitec's measurement and analysis software



Measurement and analysis software

Monitor, WinLog och WinSat

mitec INSTRUMENT

Temperature · Pressure · Flow · Level · Current · Energy · Voltage · RPM · Run-time · On/Off

Software suited to the user's need

All Mitec programs communicate with Mitec's range of measuring instruments.

Measuring data is saved on the PC's hard disk in an object structure and the measuring result is displayed as curves or bars in different diagrams. Many graphs can be shown at the same time and advanced calculations can be perfomed using the powerful formula language in WinLog and Monitor. Analysis tools such as zoom, scroll and stretch simplify operation. Measuring data can be exported to other programs for additional analysis and graphs can be simply transferred to other documents to be included in reports. The same data format is used in all programs.

All programs are available in Swedish and English versions, and can be installed under Windows 3.1 and Windows 95/98/NT/2000.

All programs have functions for:
- Communication with data loggers
- Storing data
- Graph presentation
- Analysis tools
- Printing

Mitec Monitor also has functions for:
- Automatic datacollection
- Trend alarm as SMS and e-mail
- Automatic export to other systems

Mitec creates knowledge from measuring data

The point of measuring is to improve knowledge about the surrounding environment.

But it's not enough to simply collect measuring values and data. Measuring data must be transformed into information. And then converted to knowledge about your process in a way that will help decision-making.

Mitec's analysis programs are designed to help create knowledge rather than vague information – with a minimum of effort.

Download a demo program at www.mitec.se.

Mitec's measurement and analysis software

To measure is to know - an old Swedish saying.

The more complex our environment, the greater is our need for correct information. The more information we have, the greater the need to handle it in a rational and simple way.

Mitec manufactures instruments for acquisition of data from technical processes. For analysis and presentation we have developed a series of Windows programs that meet the need for practical and secure data management.

Software for every need

Different applications require different tools. Our range therefore includes three programs, each optimised for a specific purpose.

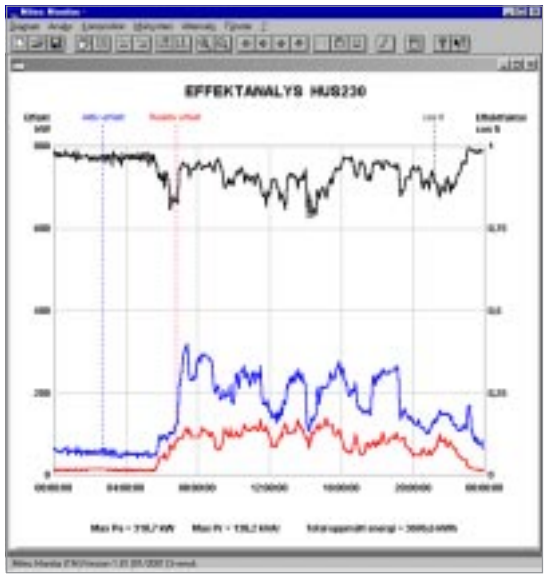
Mitec WinLog is our most frequently-used program covering base requirements. Mitec Monitor is used for larger projects. Mitec WinSat is adapted to our range of compact SatelLite loggers.

Simple use, advanced functions

Making a simple software program is not so difficult. You just need to minimise the number of functions!

To make an advanced program with many functions is often not so difficult either. The real challenge lies in creating a program that is both simple to use and has advanced functions. Clearly it requires knowledge of physics, mathematics and programming. But primarily, it demands experience in the processes where the equipment is to be used, and knowledge about the people working with it.

We have prioritised ease-of-use and security. There are many advanced functions available, but they are not in the way.



Mitec software is available in English and Swedish.

Mitec AT40.

Measuring software for every need

Mitec WinLog

Mitec WinLog is our most popular program and designed for smaller measuring projects with single measuring instruments. WinLog combines sound functionality with simple operation. It can be used with all data loggers manufactured by Mitec.

Mitec WinLog works best when working with one measuring object at a time. When the measurement is complete, measuring data is transferred to WinLog and assigned a name. Measuring data can then be analysed in a diagram. WinLog differentiates between the measuring data and the diagram - you can create a diagram format and then use it for other, similar measurements.

Mitec's software gives great possibilities for analysis. Above you see an efficiency analysis diagram zoomed in to show a course during only three hours.

Mitec Monitor

Mitec Monitor is used for larger projects as it has the capacity to manage many measuring objects at the same time. Mitec Monitor also acts as a measuring server. Each object can be divided into several subgroups and a number of data loggers can be included in each subgroup. Different Mitec instruments can be used together.

Mitec Monitor has functions for automatic communication via modem, GSM-telephone, radio etc and can manage a large number of measuring sensors and instruments at the same time.

Automatic calendar-based data acquisition and inbuilt alarm functions make Monitor suitable for monitoring applications. Monitor can also present measuring data on-line for studying processes in real-time. Diagrams and measuring data can be exported to Internet.

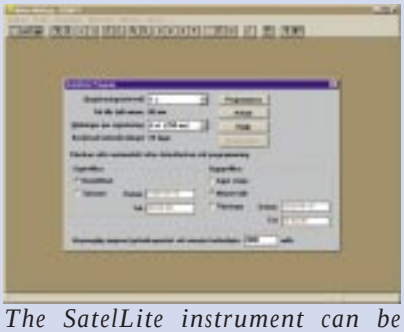
Mitec Monitor also has functions for more advanced analysis of measuring data such as X-Y graphs and the ability to define complex expressions in macros. A unique function is time-selectors for selection of measuring data in different time ranges such as DAY, NIGHT, SUMMER etc.

It is easy to make calculations in the analysis software. Mitec's calculation formula language is in-built in Mitec WinLog and Mitec Monitor.

Mitec WinSat

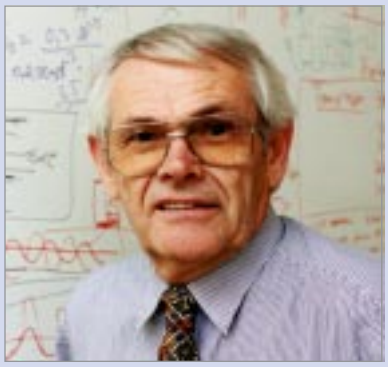
Mitec WinSat is developed specifically for our SatelLite range of compact dataloggers. WinSat, like our SatelLite dataloggers, is very simple to use and suited to applications with single, spread measuring points.

The measuring object is integrated with the presentation in WinSat. This makes the program suitable for applications where you want to quickly and simply see the result from a single measuring sensor. WinSat has no formula language and measuring data is presented in a standard diagram format with statistics and headings. Measuring data can be transferred directly to WinLog or Monitor for more advanced analysis.



The SatelLite instrument can be configured from all Mitec software.

Would you like to be on our mailing list? Send an e-mail to info@mitec.se.



Mitec references

Mitec's products and systems are used by many companies and organisations including:

ABB Fastigheter, Affärshälsan, Alfa Laval AB, Arbetarskyddsstyrelsen, Astra Pharmaceutical AB, Autoliv AB, Boliden Mineral AB, Carrier AB, Casco Nobel AB, Danfoss, Draco AB, Eka Chemicals AB, Ericsson Cable AB, ESAB, Findus AB, FM Mattson, Forbo-Forshaga AB, Frigoscandia AB, Gislaved AB, Gotlands Militärkommando, HSB, Honeywell, Hägglunds Drives AB, Industriventilation AB, IFÖ Chemicals AB, Iggesund Paperboard AB, INU Control AB, IVL, JM Bygg, Kommunhälsan, Korrosionsinstitutet, Kronfågel AB, KTH, Lear Corporation, Pharmacia & Upjohn Biotech AB, Riksbyggen, Riksdagens Förvaltningskontor, SAAB Automobil, SAS, Skanska, Statens Provningsanstalt, Svenska Marinen, Systembolaget, Sycon Energikonsult, Telia, Teracom, Tetra Pak, Uppsala Universitet, Universitetssjukhuset Lund, Vattenfall, Volvo Personvagnar AB, Vägverket, Wasabröd AB and Ångpanneföreningen.

Data acquistion from sensor to Internet

Since 1982, Mitec has been developing and manufacturing measuring instruments and IT-solutions for function analysis and data acquisition.

Mitec's measuring system has unique performance, is easy to use and includes all components from sensor to Internet.

- Data loggers
- GSM measuring stations
- Measuring sensors
- Analysis software
- Measuring server
- Measuring service on Internet, it-sensors.com

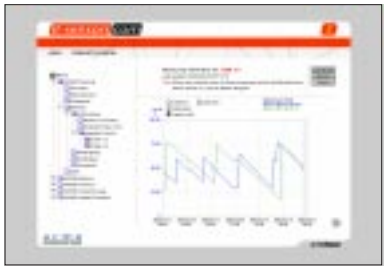
Our GSM measuring system does the monitoring for you

1

Measuring station

Connect your sensors to a fixed or portable Mitec GSM measuring station (we can also deliver sensors).

You own the measuring station and we collect the data for you via our measuring server.



2

Internet

Log in on www.it-sensors.com using your private password via Internet Explorer.

Your graphs and statistics are updated regularly on your private site for a low monthly cost.

3

Mobile phone

Alarm and measuring values are sent to your mobile phone.

Check measuring values and switch equipment on and off from your phone.

Try yourself!

Go to www.it-sensors.com and login using the id "**acme**" and pw "**demo**".

mitec INSTRUMENT

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