Features:

- ❖ Automatic calibration and self cleaning
- ❖ User selectable measuring/cleaning & calibration interval
- ❖ Rugged housing
- ❖ Integral Data logger for value and malfunction logging
- ❖ Several liquor pretreatment systems available

Applications:

Any municipal, environmental or industrial use requiring parameter analysis of aqueous environment
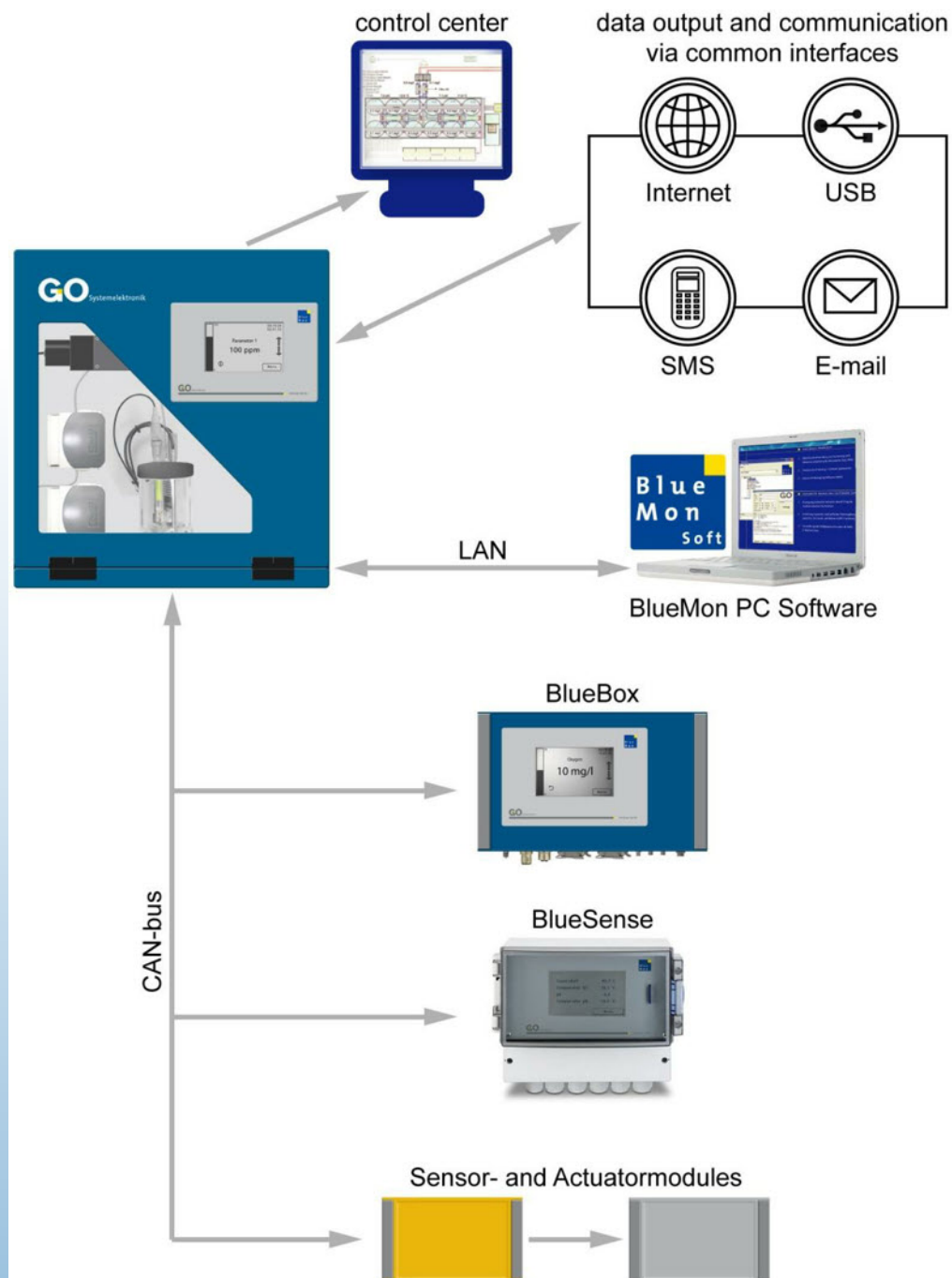
Benefits:

- ❖ Complete flexibility

- ❖ Choice of method to suit parameter, range and sample characteristic

- ❖ Remote communications/fault diagnoses and control

- ❖ Fully automatic operation with cyclical calibration and dilution processes

The BlueMon ist a fully automatic, wet-chemical multichannel online analyser. It detects trace concentrations in fluids. The operating interface is especially user-friendly. It may be bought either preconfigured or as a generic system to be programmed by the user, utilising the newly designed Flow-Chart-Method software to program analysis cycles.

Parameters may be detected by directly connected sensors e.g. PH , temp etc , modelled using a UV/Vis spectrometer and software, or measured using ionometric, photometric or titrometric wet chemical methods.

Integration of the BlueMon into the BlueBox-system

Highlights:

- simple connection of external sensors and actors via sensor- and actor-modules,
- direct connection of the BlueSense transducer
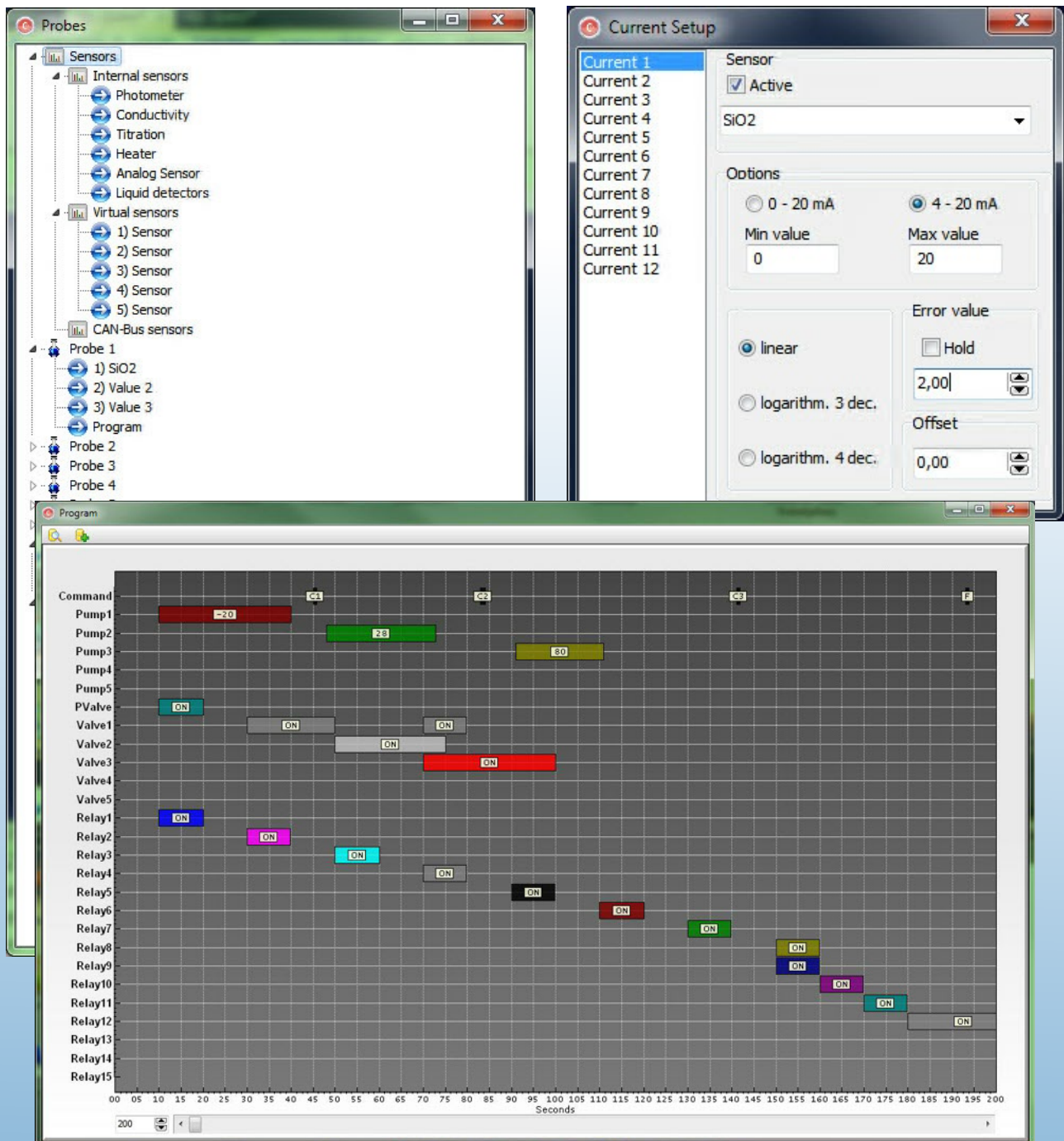- and the integration into an existing BlueBox-System

Example measurement

Ionometry	Cl^- CO_2 DOC F^- K^+ NH_4 NO_3^- TC TOC
Colorimetry	Al^{3+} Co Cl_2 CN^- ClO_2 Cr^{6+} Cu^{2+} $Fe^{2+/3+}$ Hazes Mn^{2+} N_2H_4 NH^{4+} Ni^{2+} NO_2^- NO_3^- Phenol PO_4^{3+} S^{2-} TP
Titrometry S^{2-}	BO_3^{3-} H_2O_2 hardness m-Wert p-Wert peracetic acid

Spectrometry	COD CSB DOC SAK254 TOC NH_4^+-N NO_3^--N PO_4^{3-}-P

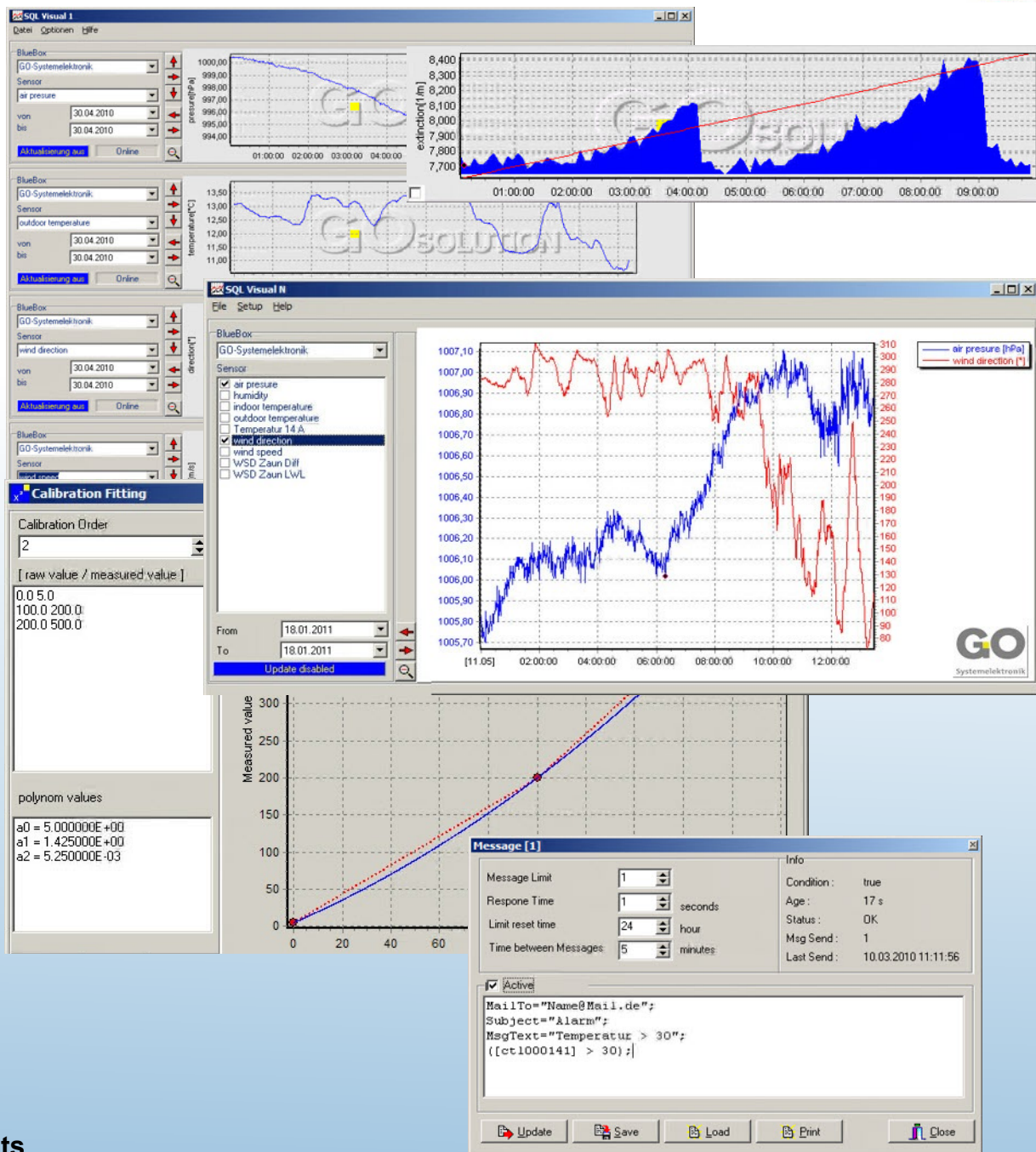## All sensors from the GO Systemelektronik range are

Flow-Chart-Method

Highlights

- Flow-Chart-Method software for programming analysis cycles
- Simple access to measurement parameters and settings
- Virtual sensors to determine complex parameters
- Integration of external sensors for control and calculation

Comprehensive BlueMon PC

Highlights

- SQL based databank system for measurements and configurations
- uniform software for administration of all device components
- integration of data from the various measurements in an SQL databank
- a multitude of visualisation possibilities incl. a visual interface for remote monitoring and operation
- uniform data interfaces for administration, presentation and processing of measurements
- integrated formula programming language

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