go2SIGNALS

... monitoring a connected world
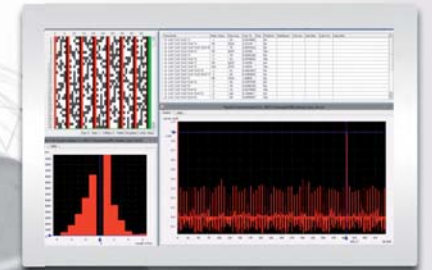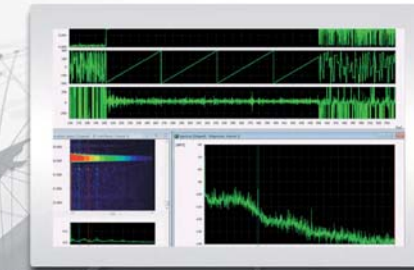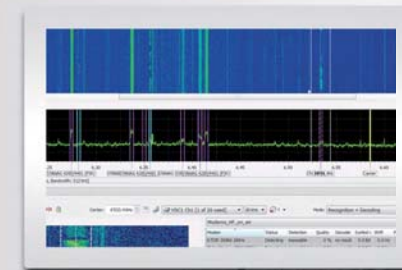
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go2MONITOR

go2DECODE

go2ANALYSE

go2SIGNALS

... monitoring a connected world

go2MONITOR   go2DECODE   go2ANALYSE

go2SIGNALS is a new innovative productline, designed to meet today's requirements in the field of radio monitoring, radio intelligence and signal analysis.
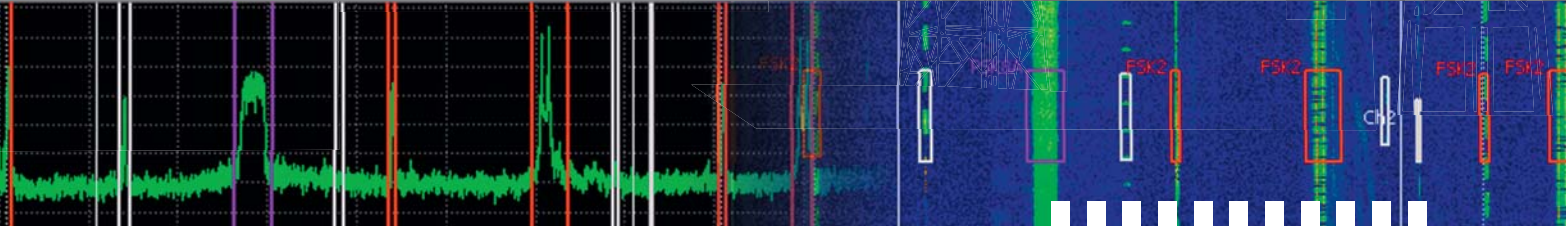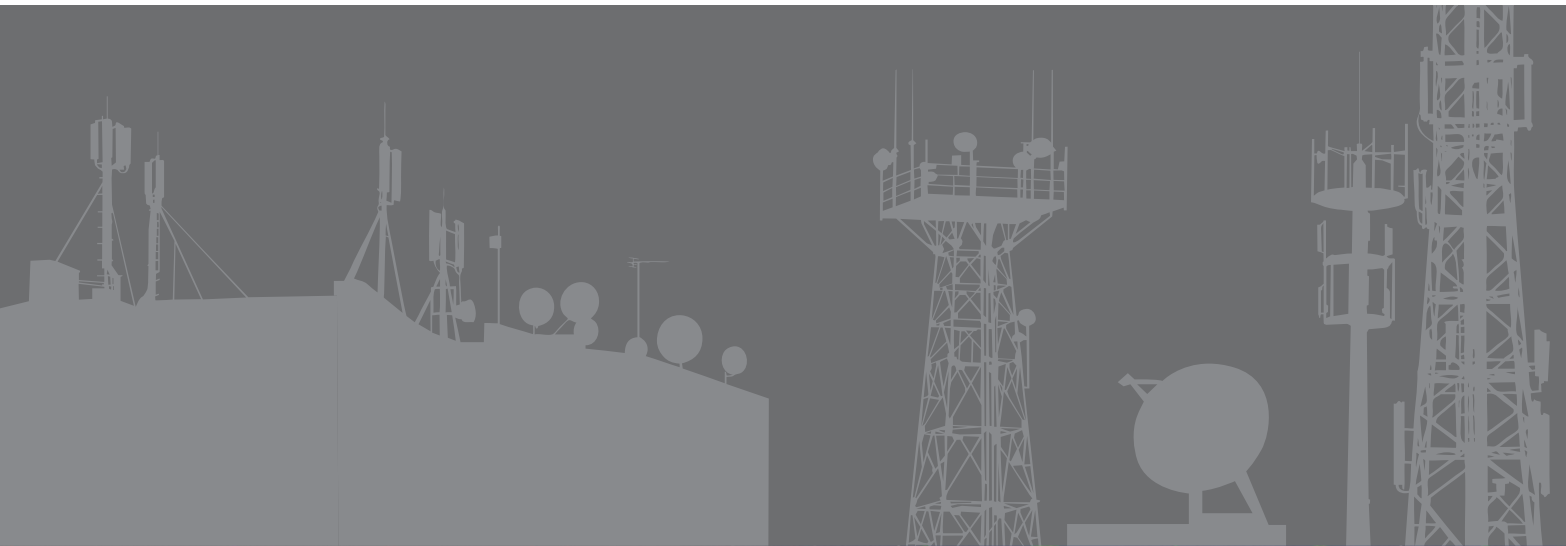
go2SIGNALS products offers a collection of tools perfectly matched to monitor, search for, process and analyse HF and V/UHF signals. The idea behind is to allow the user to adapt and automate their monitoring jobs, improving the results, handle the increasing density of signal scenarios and staying up to date with the current requirements.

The go2MONITOR solution offers the required functions for multichannel signal detection, classification, recognition, demodulation and automatic decoding.

In the next step the go2DECODE software helps you to analyse signals, to adapt demodulator parameters, to develop new decoders, to set up new protocols and to fine tune your monitoring tasks.

Use the go2ANALYSE software for more in depth manual analysis of new unknown signals to extend the software with own decoders.

This way the analysts' knowledge and experience gets incorporated into all monitoring solutions based on go2SIGNALS products for future automatic processing.

go2SIGNALS WORKFLOW

| WIDEBAND / NARROWBAND → RECEIVER CONTROL | DETECTION / VISUALISATION / RECORDING → SIGNAL SZENARIO | DEMODULATION / DECODING / RECORDING → SIGNAL PROCESSING | VISUALISATION / VOICE LISTENING / TEXT → RESULTS | MODULATION TYPE / SYMBOL RATE / SHIFT → MODULATION ANALYSIS | PARAMETRIZE / CONTROL / OPTIMIZE → DEMODULATOR PARAMETRIZING | KNOWN SIGNALS / CODING / CONTENT → MANUAL ANALYSIS | UNKOWN SIGNALS / CODE / BIT STREAM → INDEPTH CODE ANALYSIS | EDIT / COMPILATION / DEBUGGING → DECODER DEVELOPMENT |

go2MONITOR go2DECODE go2ANALYSE

go2SIGNALS tool chain

go2MONITOR

High-performance, automatic radio monitoring solution for multichannel classification and processing of HF and V/UHF signals

go2DECODE

Single channel decoder for automatic demodulation and production, technical signal analysis and decoder development

go2ANALYSE

Offline analysis and manipulation of bitstreams to determine the characteristics of used coding

	Direct receiver input and control	AF input	AF Output	Automatic modem recognition and production	Classifier, Automatic modulation classification	Data import from	Define new or modify existing protocols (DDL)	Run compiled binaries (DDL)	Decoding channels (DDC's)	Decoder packets Standard; MIL/PMR/SAT (optional)	Demodulation and recording of analog signals AM, FM, USB, LSB	Extend functionality	Graphical data analysis	Graphical demodulator analysis	IF Input (other ranges on request)	Live Voice	Max. signal bandwidth (typ)	Option: MIL/PMR decoders	Multi-Wideband-Input	Bitstream recordings	NB-recording (wav)	Recording/Playback	ResultViewer, graphical display (frequency over time, customized filtering) of classifier and decoding results with filtering	Scripting	Option: Narrowband Receiver Control	Option: Automatic Monitoring and Tasking	Option: 20 MHz Wideband input and Classification	Option: 20 MHz Wideband Recording	Option: 32 Channels Production
go2MONITOR	+	Sound card, File	+	+	1 MHz; Optional 20 MHz	go2 DECODE		+	1 / 2 / 4 / 8 / >32	+	+				1 MHz; Optional 20 MHz	+	50 kHz, 300 kHz	+	2 (on request)	+	+	1 MHz; Optional 20 MHz	+	+	+	+	+	+	+
go2DECODE	+	Sound card, File	+	+		go2 MONITOR	+	+	1	+	+		+	+	DANA 2 MHz, Stream 96 kHz	+	96 kHz	+		+	+								
go2ANALYSE						go2 DECODE; other products						Use DDL	++																