



The Company

Advanced Broadcast Components Ltd. is located in Bad Segeberg, Germany and was founded in June 2005.

Mission

"building the best digital broadcast measurement systems available in the marketplace".

History

The director of Advanced Broadcast Components Ltd. started the company by acquiring all intellectual property to build the Huber+Suhner/AdCoCom 4T2 DVB-T Portable Test Set under the ABC brand name.

Since then, hundreds of measurement systems have been sold to clients across Europe and overseas. Following the company mission, the products underwent wealth of improvements, maintaining cutting-edge performance combined with outstanding durability.

Capabilities

Advanced Broadcast Components Ltd. is a technology-driven company, with all resources tightly focused on designing and manufacturing measurement instruments for digital broadcasting. The core competencies span design, assembly, and sales of the products.

Advanced Broadcast Components Ltd. is adherent to the principle of lean thinking in all company functions.

Although being small in personnel, the company possesses an exquisitely furnished state-of-the-art laboratory.

All measurement product are PC-based and operating on windows platforms, thus enabling the utilisation of industry standard components, and applications.

All design of measurement hardware and software is done in-house, ensuring ABC instruments are not merely assembled product, but unique in performance and functionality.

At Advanced Broadcast Components, our clients find end-to-end solutions from hardware to software, and from RF to MPEG baseband.

4T2™ line of integrated test solutions

The 4T2™ DVB Test Set is the most accurate, compact, and robust measurement solution for digital television available today.

The portable systems combine real-time measurements of RF modulation parameters with transport stream analyser functions in an easy to carry instrument.

The rack mounted systems are offering the same features of the portable one, but add remote control and monitoring functionality essential for remote transmitter sites.

As the only instruments available on the market, a single 4T2 system integrates

- Modulation analysis, with constellation, MER, and EVM vs Carrier displays in real-time
- Bit Error Rates with Level and MER data logging
- Spectrum analysis with mask and marker support
- Impulse Response analysis with individual transmitter power measurements in an SFN
- Multi-channel coverage analysis on a map, combining data of up to 4 receivers with position information from GPS and pulse encoders
- Transport stream to IP streamer
- MPEG Transport Stream analysis, with decoding of H.262, H.264 and H.265 in standard and high definition



Training

If used right, integrated measurement systems like the 4T2 can be an indispensable, powerful tool to engineers in the field.

At ABC, training on our measurement systems is not just seen as one part of after sales support, but as essential to the development of the product.

The training is conducted by the engineers that are designing instruments, and the user feedback during those sessions has many times found a way into today's product.

A 'standard' training session for approx. 10 engineers usually spans two days with a short generic explanation of the transmission format and measurement principles, and an in-depth, hands-on training on the actual instruments, trying to focus on real-world measurement examples. Training literature is available in English or German, other languages are available on request.

Quality assurance

All ABC measurement instruments are 100% functionally verified and calibrated before shipment.

ABC is operating several identical stations used for calibration and corresponding protocol generation.

ABC maintains a logbook of every instrument built, containing the manufacturing dates and configuration, including any modifications, or service after being delivered.

For 12 months after delivery, all ABC products are warranted free from defects. Extended warranty periods for instruments are available on request as part of our long-term commitment program.

ABC strives to constantly improve their equipment and does frequently announce upgrades on the company website.

It is company policy to provide all software and firmware upgrades free of charge for the lifetime of the equipment.

Since 2001 when the first 4T2 had been sold until today, software has been kept compatible and no client has been charged for software upgrades.

Contact information

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