

TELEMETRY - WIRELESS AND SELF-SUFFICIENT TO THE CONTROL CENTRE VIA TETRA

with the telemetry modules of ATS Elektronik GmbH



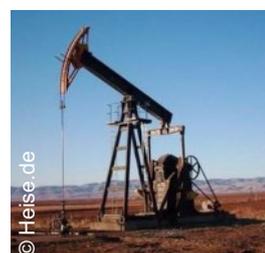
Telemetry with TETRA digital radio

Many companies from the energy and utility industries are facing the same challenge: To efficiently automatise and monitor their processes. Usually this happens at remotely situated and scattered substations, whose measurement and control data has to be transmitted to a central location. For this, the data transmission has to meet many requirements including having to be as cost-efficient and failure-proof as possible.

Especially in the area of critical infrastructure, functionality during a blackout is another challenge. Many public providers do not have a sufficient emergency power supply to keep up their services for as long as it is needed.

This is where the strengths of professional digital radio come into play.

ATS Elektronik has an entire portfolio to fulfil your requirements in the area of remote data transmission.



The Challenge

In the last several years, the special requirements of critical infrastructure were taken more and more into consideration.

Acquiring new technology offers a wide range of possible technologies to choose from.

Choosing right is often difficult and has long-lasting effects.

Often, the automation equipment is already present.

This means that the effort of replacing the existing system does not match up with the benefits.

It would be easier to simply change the "air interface", similar to patching at a switch.



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Abb. Example of a telemetry kit

If you want to keep your existing control system and only update the transmission path, consider our IEC102. It is connected serially and transmits the station data to the control centre in the IEC60870-5-101 protocol.

If you want to utilize more advantages of the TETRA infrastructure, other combinations are also possible. In addition to the often-used radiotelephony you can also use CallOut alerts and text messages.

Many different individual workflows and sequences are possible.

Contact us!



Abb. Water company Barsinghausen

The Solution

ATS Elektronik offers you exactly that possibility. Connect your control centre to one of our telemetry modules and start using TETRA.

Our module BG-102 offers many possibilities for continuing to use your existing technology while transmitting via digital radio.

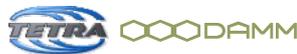
Our simplest option for small applications offers for example our TIE102, which has its own contacts and might save you another separate PLC or RTU. It could even be used outdoors with a small casing and rechargeable battery.



© EnBW, Baltic 2

Abb. Wind farm Baltic 2, EnBW

Further information:
www.ATSONline.de



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