



Editorial/White Paper

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Project:	DNP-3 protocol	Client:	SSE
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SSE is launching its DNP-3 protocol.

SSE, the leading telemetry company in South Africa, is the first and only South African based telemetry development company that implemented DNP-3 protocol down to level 3.

SSE developments

During the last 10 years SSE grew from a small local company to a medium size high tech company with various branches in Southern Africa and exports picking-up drastically.

One of SSE's strong points is its commitment to new developments which is demonstrated by the fact that SSE invest 8% of its turn-over in developing new products, features and functionality.

DNP-3

Due to the great popularity and demand for the SSE products, more and more clients, locally and international, requested SSE to implement the DNP-3 protocol.

DNP-3 is an international da-facto standard used for data communication between RTU's in the electrical industry. Numerous electrical utilities worldwide are using the DNP-3 as communication protocol.

SSE decided a few months ago to implement the DNP-3 protocol in its range of telemetry products. SSE realized the complexity in developing and implementing a protocol such as DNP-3 and that it would take months if not years to implement. To drastically shorten the development cycle, SSE opted to purchase the complete source code library kit. "We decided on the source code libraries from Traingle Micro Works as we found it to be extremely comprehensive with other well known companies making use of them. The source codes were quite expensive, but the fact that we were purchasing code that is debugged, tested and proven in the field made it more than worthwhile for SSE", says Mr Gert Bezuidenhout, MD from SSE.

The bought-out DNP-3 source code libraries have been implemented into the new RTU-10 released recently, with final testing happening now.

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Electricity Industry

In the past 10 years SSE established them undoubtedly as the leader in water telemetry. "We capture the biggest chunk of the water industry in Southern Africa. However, over and above other industries, SSE sees the Electrical industry as an extremely important sector for future growth in the company, thus implementing DNP-3", says Mr Bezuidenhout.

IEC 870-5-3 Protocol.

Another international accepted protocol used a lot in the electricity industry is the IEC 870-5-3 protocol. To be even more compliant in the telemetry industry, SSE also decided to implement the IEC protocols. This will only be released in a few months time.

Multiple Protocols:

The SSE RTU will support a number of international as well as the advanced SDLP protocol from SSE. Any of the supported protocols can be used at any point in time to communicate with the SSE RTU. The SSE RTU will automatically detect the incoming protocol and respond accordingly.

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