Partnership between industry and municipalities to ensure high level of service delivery

4 Oct 2016
Company Ownership

ATC (Pty) Ltd

80%  20%

100%  50%

A division of ATC (Pty) Ltd
Product Range

Low, Medium and High Voltage Cable
Power Installations (PI) is a department within CBi-electric: african cables that specializes in the system design, installation, commissioning, testing, and maintenance of:

- Medium Voltage cables (11-33kV)
- High Voltage cables (44-132kV)
- Extra High Voltage cables (275kV-400kV)

Three branches: Vereeniging, Durban, Capetown

Maintenance of HV fluid filled and XLPE cable systems.

- Fluid filled cable technology was introduced into South Africa in the late 1960’s and was only replaced by XLPE dielectric in the early 1980’s.
- To date some 1200km of fluid filled cable remains in operation in South Africa
How can we partner to ensure high level of service delivery?

**Assessment Service:**
Through rigorous and specialized testing we are able to determine the existing condition of either HV fluid filled or XLPE circuits and provide recommendations. Proactive approach rather than reactive.

**Breakdown Maintenance:**
24-hour standby team with a 2-hour to site response time to attend to breakdowns on HV fluid filled or XLPE cable circuits should they experience a fault. We employ skilled employees and have all necessary tools and equipment at hand.

**Planned Preventative Maintenance:**
Planned annual maintenance of cable circuits according to pre-determined testing and inspection criteria (link box inspections, termination inspections, DC serving tests, earthing integrity testing, hot connections, circulating current measurements, on-line PD testing, off-line pd testing)

**Refurbishment Maintenance:**
Planned refurbishment of strategic components associated with mostly fluid filled cables during off-peak load periods.

**Accessory and Cable Supply:**
Conduct an analysis for all critical spares required.
Supply HV & MV accessories required for the repair/strategic stock holding.
How can we partner to ensure a high level of service delivery?

Number of HV/MV Cable Maintenance Breakdowns attended to by CBi-electric for Utilities

- 2012-2013: 795 Breakdowns
- 2013-2014: 348 Breakdowns
- 2014-2015: 583 Breakdowns
- 2015-2016: 330 Breakdowns