



Efficiency through innovation and  
control

# DIRECTORS

- Pieter Kruger
- Hilton Butler
- Kevin Soal
- Nick Pretorious
- Greg Janse van Rensburg

# Portfolios

- Pieter K - Contracts and client relations
- Pieter M - Project Management and standards
- Kevin - Rigging and Transport
- Nick - Commissioning and electrical testing
- Hilton - Marketing and client relations
- Kobus - Switchgear, Diverters, Transformer erection and maintenance, Quality control
- Greg - Commissioning, Technical support



# History



- **Pieter and Hilton** Owners of Arrow Bulk of 19 years standing with vast experience in heavy transportation throughout sub Saharan Africa including .
- **Kevin** Owner of National Heavy Haulage operating a large fleet of trucks of many years standing and is presently the preferred transporter of transformers for a leading transformer manufacturer
- **Peter M** Switchgear specialist and project manager of repute
- **Nick** 20 years experience in the testing of Power Transformers Diverters, CTs, VTs and Earth mats.
- **Kobus** Revered as one of the top transformer specialists in the country and has assembled many of Eskom's 800 MVA Gen transformers.
- **Greg** 20 years experience in the commissioning of EHV, HV and MV substations

# Transformer Handling



- **Shipping** Freight handling, cross haul and destuffing
- **Transporting** Loading, transporting, rigging
- **Site Assembly** Comprises the complete erection, oil filling and oil testing
- **Cold Comm.** All electrical and protection tests using the latest computer aided test equipment
- **Hot Comm.** Inter phasing the transformer proper with all the secondary equipment, relay protection settings and control inter phasing

# Substation commissioning and maintenance

- Maintenance, erection and commissioning of EHV circuit breakers and disconnects
- Control Cabling and pre commissioning
- Complete commissioning and maintenance of all the protection and control circuitry

# ARROW BULK LOGISTICS



# Rigging

- Rigging complete set of rigging equipment to rig up to 300 tons



# Assembly

- Complete tool kitted trailer for transformer assembly
- Crane truck



# Cold commissioning

- CPC 100 Test kit
- Oil Circulator
- Insulation tester
- Various other equipment required for cold commissioning



# Hot commissioning

- CMC 256 Secondary injection set
- Various tools required in the commissioning of substations



# POWER IN ONE



- Provide a one stop service to the client
- Some of the functions need not be duplicated
- A sharing of skills will grow and strengthen individuals
- Can reduce pricing due to multi skilling and availability
- Familiar with the market

*simplifying the clients contracts*

*saving time saving money*

*multi skilling*

*prompt service*

*All the members have been involved in the transformer field for many years*

# Setting your mind at rest



- **Objectives** To provide a professional reliable cost effective service to our clients
- **Purpose** To provide a high standard of technical service to our clients.
- **Vision** To partake in the market with innovation and adaptability.
- **Mission** To be the preferred service provider to our clients.

# Keys to Success



- Quality, Availability and Efficiency
- Developing long and loyal relationships with our clients.
- Providing continual and responsive after sales service.

# Safety

- Method statement
- PPE
- Authorisation
  - HV Regulations
  - First Aid
  - Fall Arrestor training
  - Fire fighting
  - Risk assessment
  - Medical certificate



**We service your humour too!**



**POWER**

**POWER CORRUPTS. ABSOLUTE POWER CORRUPTS ABSOLUTELY.  
BUT IT ROCKS ABSOLUTELY, TOO.**

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