

Daniël Taljaard

Electrician



Contact Details

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Profile

29 years of low to high voltage (400kV) electrician experience

Education and Qualifications

2018: IP Red Seal – Construction Electrician, ITA, Vancouver, British Columbia, Canada

1989: Completed 2nd year Electrical Engineering certificate

1988: Completed 1st year Electrical Engineering certificate

1985-1989 Completed 4-year apprentice training at Carltonville Technical College, Carltonville, South Africa qualifying with Man Power as an electrician in 1990.

Experience

October 2003 - Current, DT Power Construction, See www.dtpower.co.za,

City of Roodepoort, Province of Gauteng, South Africa

Electrician – Self employed

Occupation Duties

- Installation of high voltage power systems
- Installation of switchgear, transformers and cabling
- Safety procedures to access high voltage environments and equipment
- Installation of insulated breakers and switchgear
- Inspecting electrical systems, equipment, and components to identify hazards and defects;
- Diagnosing and repairing malfunctioning electrical systems, apparatus, and components;
- Using test equipment and hand tools to locate the cause of breakdowns and correcting the problems;
- Reading and interpreting electrical, mechanical and architectural drawings to determine wiring layouts;
- Planning sketches, layout and install equipment and fixtures based on job specifications;
- Designing control panels and installing circuit power distribution;

- Delivering daily updates at morning meetings to communicate electrical instrumentation and/or equipment and control availability issues/actions;
- Following up on daily electrical installation and maintenance repairs to ensure all relevant components will be completed as planned;
- Establishing methods to meet work schedules and co-ordinating work activities with other project supervisors or managers;
- Monitoring and evaluating electrical instrumentation, controls and equipment operating procedures to minimize failures and downtime;
- Recommending changes to installations and/or electrical maintenance procedures when deemed necessary or appropriate;
- Maintaining electrical systems by conducting system tests and completing preventive maintenance requirements;
- Maintaining a safe work environment by following established codes, standards and operating procedures;
- Testing electrical systems and continuity of circuits in electrical wiring, equipment and fixtures, and using testing devices to ensure compatibility and safety of system;
- Coordinating work assignments/projects in a timely manner to meet project deadlines;
- Preparing time estimates for work orders and jobs to optimize resource allocation; and performing other duties and responsibilities to support the successful operation of the company

**January 1991 to September 2003, Consolidated Power Projects, See www.conco.co.za
City of Midrand, Province of Gauteng, South Africa
 Electrician**

Occupation Duties

- Read and interpret drawings as per electrical code stipulations to regulate wiring layouts for new/existing installations
- Keep maintenance records and conduct preventive maintenance programs
- Install supports for electrical equipment
- Install, replace, repair electrical control and distribution equipment such as circuit breaker panels, switches and relays
- Pull wire through holes and conduits
- Splice, join and connect wire to form circuits
- Test continuity of circuits following installation, replacement or repair
- Isolate faults and troubleshoot in electrical and electronic systems
- Replace and remove faulty components
- Replace, repair and install lighting fixtures
- Connect electrical power to heating and cooling systems, audio and visual communication equipment and signaling devices

**January 1990 to December 1990, Samancor Chrome Limited, See www.samancorcr.com,
 Town of Mochadodorp, rovince of Gauteng, South Africa
 Electrician**

Occupation Duties

- Examine, repair/replace and install switch boxes, electrical wiring, receptacles, feeders, conduits, lighting fixtures, cable assemblies and other electrical components
- Read drawings to determine installation for industrial electrical equipment

- Keep maintenance records and demeanor preventive maintenance programs
- Test electronic/electrical equipment and components for resistance, current, continuity and voltage
- Install, maintain and calibrate industrial instrumentation and related devices
- Install, maintain, repair and test transformers, switchgear, switchboard meters, reactors and regulators
- Install, maintain, test and repair alternators, industrial storage batteries, electrical motors, generators and pneumatic and hydraulic electrical control systems
- Repair, maintain and troubleshoot electrical, industrial and electronic control systems and other related devices

MY FAMILY

My spouse Ria Taljaard and I have been married for 20 years.