



B-BBEE Level 2

**Leader in the manufacture  
& supply of Cathodic Protection  
products**

# Overview

- 1. Introduction**
- 2. Product Range**
- 3. Manufacturing Capabilities**
- 4. Contact Details**

# Introduction

## Disa Anodes (Pty) Ltd

- Disa Anodes is a South African manufacturing company engaged exclusively in the supply of various products for use in Cathodic Protection.
- The company started operations in Jeppestown, Johannesburg in 1995.
- Disa Anodes is the only manufacturer of Cathodic Protection Anodes in South Africa. These include Magnesium, Aluminium and Zinc anodes as well as MMO Titanium anodes.

## Management Status

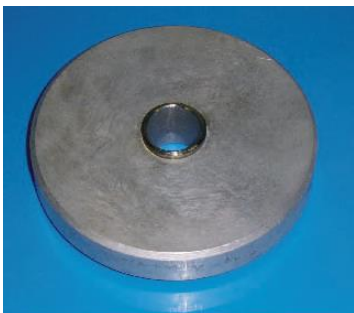
- The company has achieved **B-BBEE level 2 compliance**. Directors of the company are: Sheba Koma, Dom Nardini and Paul Mokoena

## Location & Staff Compliment

- The factory area of 4600m<sup>2</sup> currently operates with 32 employees at its production plant in Johannesburg, South Africa.

# Product Range

## Cast Anodes



Disc anode for heat exchangers



Magnesium Anodes for Pipelines

## Cannisters



Canisters and spacers for MMO Titanium anodes used mainly on Pipelines



Cast billets ready for extrusion



Ingots ready for melting

## Extruded Anodes



Magnesium

Zinc

Ribbon

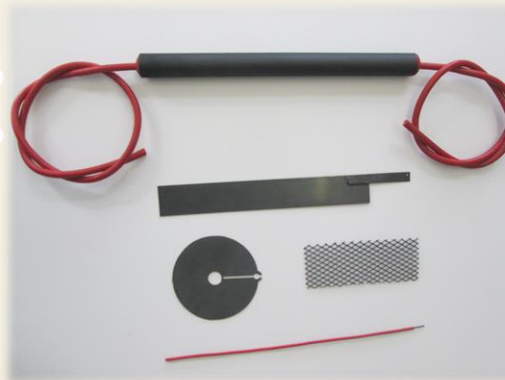


Geyser anode



600m Zinc ribbon on drum

## MMO Anodes



MMO Titanium product range

## Accessories



Cables



Permanent Ref. electrodes



Voltage surge arrester



Portable ref. electrodes

# Manufacturing Capability

The company operates with well defined production divisions

## Foundry



This consists of five furnaces for the melting and casting of magnesium, zinc and aluminium alloys as well as including all the necessary ancillary equipment. The furnaces vary from 500 kg to 3 tons and include both electric and gas fired furnaces.

Chemical analysis are carried out by an emission spectrograph. The foundry produces billets for extrusion as well as a variety of finished anodes in round, D and disc shape.

## Extrusion



This is carried out by a 1500 ton extrusion press which produces rods, Ribbon and strip anodes, with and without steel wire core in Zinc, Aluminum and Magnesium.

The extrusion department includes ancillary equipment such as billet and die heater, stretcher, run out table, coiler, saws etc.

## Laboratory and QA

The laboratory is well equipped to carry out electrochemical (capacity) tests on all types of anodes, reference electrodes, tensile testing and non destructive testing. Equipment includes DC power units, conductivity meters, oxygen, chlorine meters and a metallurgical microscope with ancillary equipment Tensile tester etc. The company has ISO 9001 accreditation.



## Anode Assembly



Anodes used in hot water tanks ( geysers ) are assembled in this division.

Equipment includes Robotic Welder, rod cropper, threading machine, etc.

## Research and Development

This is actively pursued in a constant effort to improve the efficiency of our manufacturing processes and in the introduction of new products.



## MMO



This division produces MMO coated Titanium anodes in all shapes and sizes, such as tubes, rods, mesh, wire and plates.

The plant includes a variety of etching tanks, ovens, coating applicator and assembly equipment, climate control, high resolution scales etc.

## Accessories

This division manufactures reference electrodes, assembled anodes, cable jointing kits and other ancillary products.



## Experience

The staff has many years in all aspects of Cathodic protection from design, installation and manufacturing and so have very good understanding of the industry requirements.

# Contact Details



7 Berg Street, Jeppestown, Johannesburg, South Africa



+27 (0) 11 614 5238 / 5533



+27 (0) 78 744 3308



[sales@disaanodes.co.za](mailto:sales@disaanodes.co.za)



[www.disaanodes.co.za](http://www.disaanodes.co.za)