

## SUMMARY OF CONSULTING ENGINEER PROJECTS COMPLETED

### Industrial

- DESIGN AND DETAIL OF FURNACE BUILDING AND ANCILLIARY PLANT AT NORTHAM PLATINUM FOR TENOVA PYROMET. 2017
- DESIGN AND DETAIL OF BIO GAS PLANT FOR BOTALA ENERGY AT GREENWAY FARMS. 2015-2016.
- DESIGN AND DETAIL OF BIO GAS PLANT FOR BOTALA ENERGY, LUKANYSO, WELKOM. 2016.
- US1 ICELAND STRUCTURES FOR TROMBONE COOLER, FAN AND CYCLONE STRUCTURE, BAGHOUSE AND SILO FOR TENOVA MINERALS. 2014 – 2015.
- DESIGN AND DETAIL OF MODIKWA SOUTH 2 PLANT DEVELOPMENT – 2013 to CURRENT
- DESIGN AND DETAIL OF ANGLO AMERICAN WATERVAL SMELTER CO-GENERATION PLANT CIVIL AND STRUCTURAL STEELWORK. 2013-2014.
- DESIGN AND DETAIL OF FURNACE INSTALLATION AT LONMIN PLATINUM FOR TENOVA PYROMET. 2011
- DESIGN AND DETAIL OF IFM CO-GENERATION PLANT CIVIL AND STRUCTURAL STEELWORK. 2009-2010
- DESIGN AND DETAIL OF ASA METALS FURNACE 3&4 CIVIL AND STRUCTURAL WORK FOR TENOVA PYROMET – 2007-2009.
- BAGHOUSE STRUCTRES FOR PYROMET SAMANCOR MEYERTON. 2005
- CONLOO JOINERY TILTER FOUNDATIONS, TANNING BIN FOUNDATIONS. 2004
- SALDANHA STEEL – CIVIL AND STRUCTURAL WORK FOR PIG IRON GRANULATION PLANT INCLUDING TILTER FOUNDATION, WATER TREATMENT PLANT, MATERIALS HANDLING STRUCTURES, FINISHED PRODUCTS AREA, SUBSTATION BUILDING. 2003
- ASA METALS – FURNACE NUMBER 1 BUILDING, TROMBONE COOLER, BAG HOUSE, RAW MATERIALS HANDLING STRUCTURES. 2002
- FERALLOYS MACHADODORP - COOLING DUCT STRUCTURES, HEARTH COOLING FANS, GRID ARRESTOR STRUCTURES, BUILDING STRUCTURAL AUDITS, LAYER CASTING BUNKERS, ETC. 2003
- SERBIA SLAG CLEANING FURNACE STRUCTURAL WORK. 2003
- BAG FILTER PLANT STRUCTURAL WORK FOR SABSEVAR SMELTER, IRAN. 2002
- INTERNATIONAL FERRO METALS MOOINOOI - APPOINTED DESIGN CONSULTANT FOR ALL CIVIL AND STRUCTURAL WORK FOR THE DEVELOPMENT OF THE 2 FURNACE PROJECT. 2005-2006
- APPOINTED CONSULTANTS FOR STABILITY ANALYSIS ON THE ANGLO GOLD TAILINGS DAMS OPERATIONS. 2000-2004
- MATLA MAXRED – STRUCTURES FOR MAXRED PROCESSING FURNACE. 2002

- ASA METALS FURNACE BUILDING, MATERIALS HANDLING STRUCTURES, BAG HOUSE, TROMBONE COOLERS, ETC. 1997
- FERALLOYS - CATO RIDGE - REFURBISHMENT OF 20t COAL BUNKER CRANE. 1996
- FERALLOYS - CATO RIDGE - UPGRADE OF FURNACE 1 AND 2 AND UPGRADING CRANE BAY TO 40t. 1996