

Titanium is the fourth most abundant structural metal in the earth's crust and is the ninth industrial metal. No other engineering metal has risen so swiftly to pre-eminence in critical and demanding applications.

#### TITANIUM AND ITS ALLOYS OFFER:

- Availability in all forms
- Comparable cost to other high performance materials
- Ready weldability and machinability
- Weight saving - as strong as steel, but half the weight
- Fire and shock resistant
- Favorable cryogenic properties
- Bio-compatibility and non-toxicity

#### APPLICATIONS OF TITANIUM

Titanium and its alloys have proven to be technically superior and cost-effective in a wide variety of aerospace, industrial, marine and commercial applications.

- Aeroengines
- Airframes
- Architectural
- Automotive and road transport
- Condensers
- Cryogenic equipment
- Dental alloys
- Desalination plant
- Downhole logging tools
- Electrochemical anodes
- Flue gas desulphurisation
- Food, brewing and pharmaceutical
- Geothermal plant
- Heat exchangers
- Jewellery manufacture
- Marine
- Medical implants
- Metal extraction equipment
- Military hardware
- Nuclear and environmental safety
- Offshore piping systems
- Offshore production tubulars
- Petrochemical refineries
- Pulp and paper
- Spectacle frames and watches
- Sporting equipment
- Springs
- Steam turbines
- Ultracentrifuges
- Wet air oxidation

In the majority of these and other engineering applications TITANIUM has replaced heavier, less serviceable or less cost effective materials. Designing with TITANIUM taking all factors into account has resulted in reliable, economic, and more durable systems and components, which in many situations have substantially exceeded performance and service life expectations.