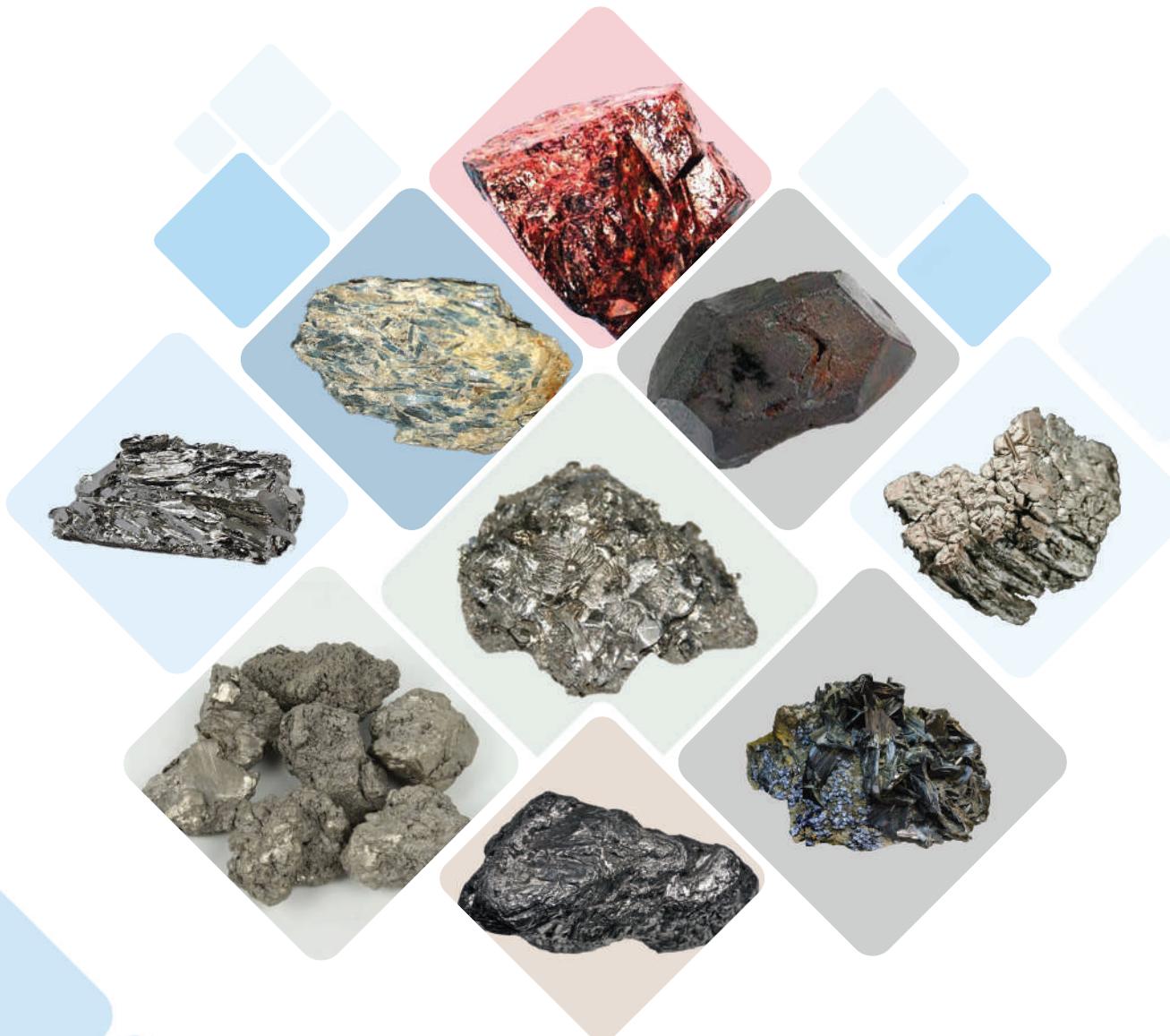




TITAN METALS & MINERALS LIMITED



**TITANIUM INDUSTRY
UNDER
MAKE IN INDIA**

ABOUT US

Titan Metals & Minerals Ltd (TMML) is a private incorporation based out of India and has a representative office in Ukraine specializing in developing of novel advanced material for Aerospace, Defence and Space.

We started as a trading company specializing in import of Advanced, Ballistic, Composites and Strategic Materials for defense and space sectors as an approved vendor under Titan Metals & Minerals Ltd (TMML). Our latest offerings include materials like Titanium, Scandium, Niobium, Vanadium, Hafnium etc. besides Molybdenum, Tungsten, Cobalt and Nickel.

TMML has been importing Law enforcement products such as Body Armor jackets, Bomb Blankets and Car Armor Steel. TMML, also has immense amount of potential to trade in technologies in the field of Body Armor and Car Armor. We also have the privilege of selling Body Armor jackets to Ministry of Home and Defense in India.

TMML was importing Bitumen, Beverages like Beer & Vodka, Bromine, Coal, Coke, Fertilizers, Titanium Di-Oxide and Soda Ash. TMML has been working with Indian Rare Earths Ltd (IREL) for export of Indian Ilmenite to Ukraine. Titan Groups major revenues were mainly from trading of Titanium Sponge, Titanium Pigment, Cobalt, Nickel, Beer, Body Armor Jackets, Aircraft Tires, export of Ilmenite and sale of technologies.

TMML has been exporting Ilmenite since 1999 directly to Pigment production plants in Ukraine and importing Rutile based Titanium Di-oxide.

Considering the potential of Beach Sand Mining, TMML is currently exploring to set up a Titanium Excavation Plant either in the coastal belts of Andhra Pradesh or in Tamil Nadu.

The plant has 3 stages of implementation: Mining Plant, Mineral Separation Plant and Value Addition Plant. TMML has developed business plan and mining plan by engaging Outotec Inc and MAST Ltd companies based out of United States and Russia.

TMML proposes to establish Ten-Thousand tons capacity of Titanium Sponge and Fifty-Thousand-ton capacity of Titanium Pigment plant. Later scale-up the production basing on the availability of Ilmenite reserves and clients' requirements.

Lastly TMML will continue to source and trade in Master Alloys, Super Alloys, Ferro Alloys and Mineral based Fertilisers.

OUR TEAM



K. Giri Kumar
Chairman & CEO



Alexander Chechel



Benton Wilcoxon



Sergey Mahaov



Sergey Chak



C. Dinesh Kumar



S. Rajendra Kumar



K. Vijay Srikanth



D. Srinivas



K. Santosh



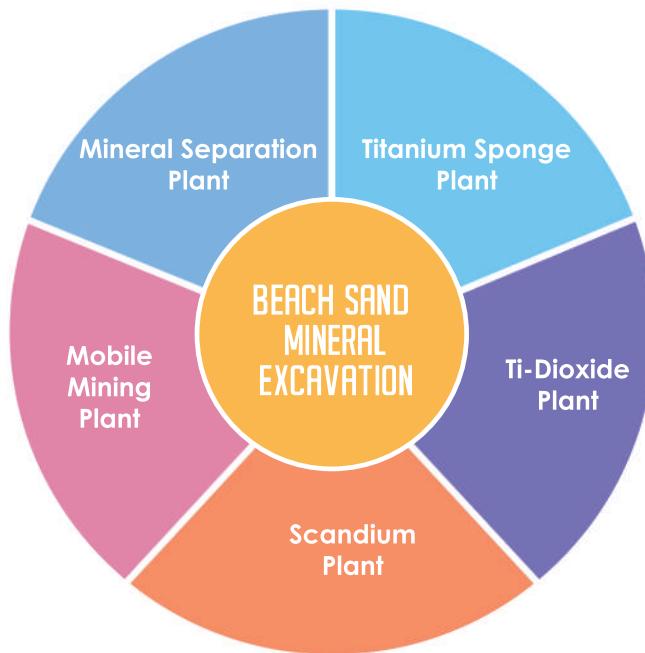
M. Sridhar Rao



K. Shyam



TITANIUM & SCANDIUM ORE TO SPONGE PRODUCTION FACILITY



PARTNERS

MAST Europe

MAST Russia

Next Metals Inc

Ulti Metals Inc

Outotec Inc

RD Titan Group

FIKO

VSMPO

METSO Inc

AIK EKO

Sumy Titan

Crimean Titan

Institute for Problems of
Material Sciences

Odessa Port Fertiliser
Plant

Humanicium

Fertile Vide



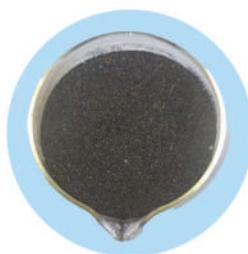
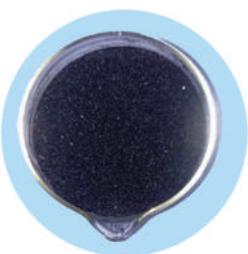
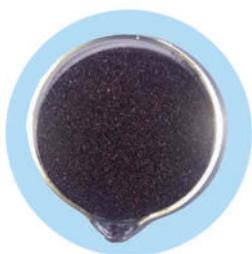
POST MINING MINERALS

HIGH GRADE ILMENITE

ILMENITE

RUTILE

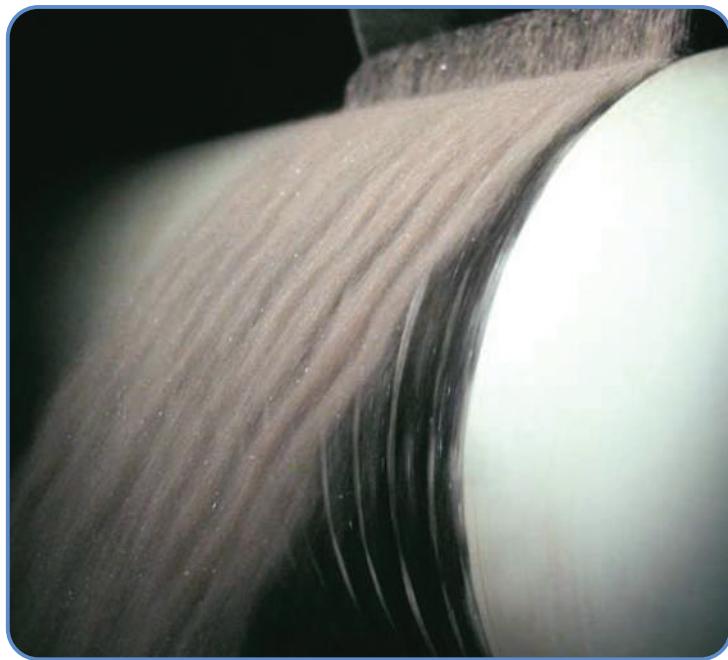
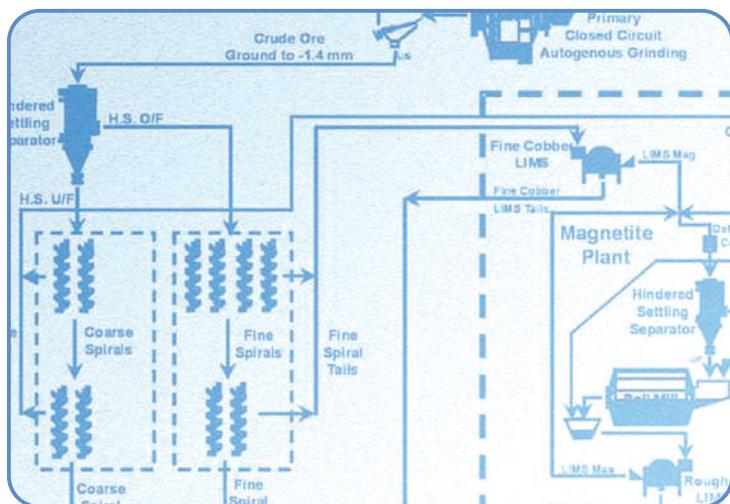
ZIRCON



FINAL PRODUCT



Mineral Separation Plant



PRODUCTS & FACILITIES FOR TITANIUM INDUSTRY

- **ADVANCED** Materials
- **BALLASTIC** Materials
- **COMPOSITE** Materials
- **STRATEGIC** Materials

- Additive Manufacturing
- 3-D Printing Technologies
- Electron Beam Welding
- Laser Beam Welding

- Beach Sand Excavation
- Mineral Separation Plant
- Titanium Spong Plant
- Titanium Di-Oxide Plant
- Scandium Plant

- Export of Post Mining
- Minerals
- Ilmenite
- Rutile
- Garnet
- Zircon

- Alloys
- Super Alloys
- Master Alloys
- Ferro Alloys

- Fertiliser
- Urea
- Di Ammonia Phosphate



PRODUCTS

PRODUCT	DESCRIPTION
AIRCRAFT TIRES	AIRCRAFT TIRES
ALLOYS, SUPER ALLOYS,	TITANIUM, SCANDIUM, HAFNIUM, Ti AL ALLOYS
BEVERAGES	BEER, WINE & VODKA
BULLET PROOF JACKET	LEVEL 7A
CARBON	FIBER & FABRIC
COAL & COKE	MET & PET COKE
CHEMICALS	SODA ASH & BROMINE
CNG CYLINDERS	FOR ANY TYPE OF AUTOMOBILE
FERTILIZERS	UREA, DAP, NPK
MICRO- FERTILIZER	HUMIC, FULVIC, AMINO PLUS, FLORA, VEGA
MINERALS	ILMENITE, ZIRCON, GARNET, RUTILE
PIGMENTS	TITANIUM DI OXIDE (RUTILE & ANATASE)
TUFF FABRICS	KEVLAR & TWARON





Building Relation for Building Nation



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