A European-based TITANIUM GLOBAL PLAYER
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WHY UKAD?

**Increase of Ti**
in airplane structures

**A close Ti Loop**
Needed in Europe

**UKTMP strategy**
with Ti downstream development

**Aubert & Duval strategy**
with Ti upstream development
A world Leader in sponge and Ingot

A world Leader in Forging (Ti, SA, Steel, Al) and Melting (SA, Steel)

UKAD
UKTMP is a fully integrated Titanium producer: from ilmenite mining to Titanium ingots, alloys and slabs production. UKTMP employs 2,500 people.

- Satpayevsk Ilmenite mine
- Ilmenite concentrate production
- Titanium slag production
- Titanium sponge production
- Magnesium production
- Titanium ingots and alloys production
- 5 VAR furnaces
- Titanium slabs production
- EB furnace
- Titanium Tetrachloride and V2O5 production
Aubert & Duval develops and produces high technological metallurgical solutions for high tech industries (aerospace, energy, space, medical...).

Markets

3,882 employees
7 industrial plants

Materials

HPS Ti AL NiSA PM
High Performance Steels Titanium Aluminum Nickel-based Superalloys Powder Metallurgy

Products

Long Products Forging parts Closed-die forging parts Hipped parts Powders for additive manufacturing
UKAD / EcoTitanium LOCATIONS
EcoTitanium: VAR+PLASMA

2010
- Project initiation

2015
- Plant construction

2017
- Production start

2022
- Full maturity
EUROPE exports scrap to the USA:
5 500 tons/year in average between 2005 and 2009
9 500 tonnes en 2014 !
Production generates significant volume of scrap

- Billet 200kg
- Closed Die Part 150kg
- Finished Part 20kg

Buy to Fly RATIO: 10
The revert loop will be available for all UKAD customers based on circular economy.

Ingots and semi-products produced by Plasma melting recycling customers scrap.
UKAD, a European based Titanium global player

- A global Titanium solution
- Partnership with its customers
- Efficient and short cycle
- Close loop to the customers
Thank you for your attention