

ERMS SR

*Proving THE process for the
production of high grade
synrutile and co-product
iron*

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*For Video Presentation of
Austpac Resources
Demonstration Plant
please refer to the
streaming video at:*

www.austpacresources.com

“2008 – The Year of Austpac”



FAQ's

What can we do with our low grade ilmenite.....is there a solution?

We want a higher grade Synrutile feedstock, how can we get it?

Is there a process that can handle our wide variety of ilmenites?

Is there a process that can give us greater flexibility of location?

Is there a more cost effective and eco-friendly process available?

Is there a better way?

The ERMS SR Process

Low Value Product

AUSTPAC
RESOURCES N.L.
TECHNOLOGIES

High Value Saleable
Products



Ilmenite



Synrutile



Direct Reduced Iron

KEY POINTS

- More cost-effective.
- Wider range of uses
- Greater flexibility
- More Environmentally Sustainable
- Innovative Technology
- The world's only fully continuous SR process
- The only SR process that recovers iron as a second valuable co-product

The ERMS SR Process: What it means to you.

LOWER COSTS

Resource

- Minimal ilmenite preparation (not necessary to remove contaminants)
- Less steps means lower processing costs
- Can use any fuel

Feedstock

- Ultra high grade SR - means less waste disposal costs
- Increased throughput
- Smaller plant 'footprint' for any given throughput.

The ERMS SR Process: What it means to you.

WIDER RANGE OF USES

Resource

- Can process any ilmenite
- Can use solid, liquid or gaseous fuels

Feedstock

- Ultra high grade TiO_2 for pigment
- Titanium metal manufacture
- Specialty chemical production

The ERMS SR Process: What it means to you.

GREATER FLEXIBILITY

Resource

Feedstock

- Can use any fuel, so wider range of locations available.
- Iron Co-Product allows cost-effective locations options.
 - Process easily scaleable.

The ERMS SR Process: What it means to you.

MOST ECO-FRIENDLY PROCESS AVAILABLE

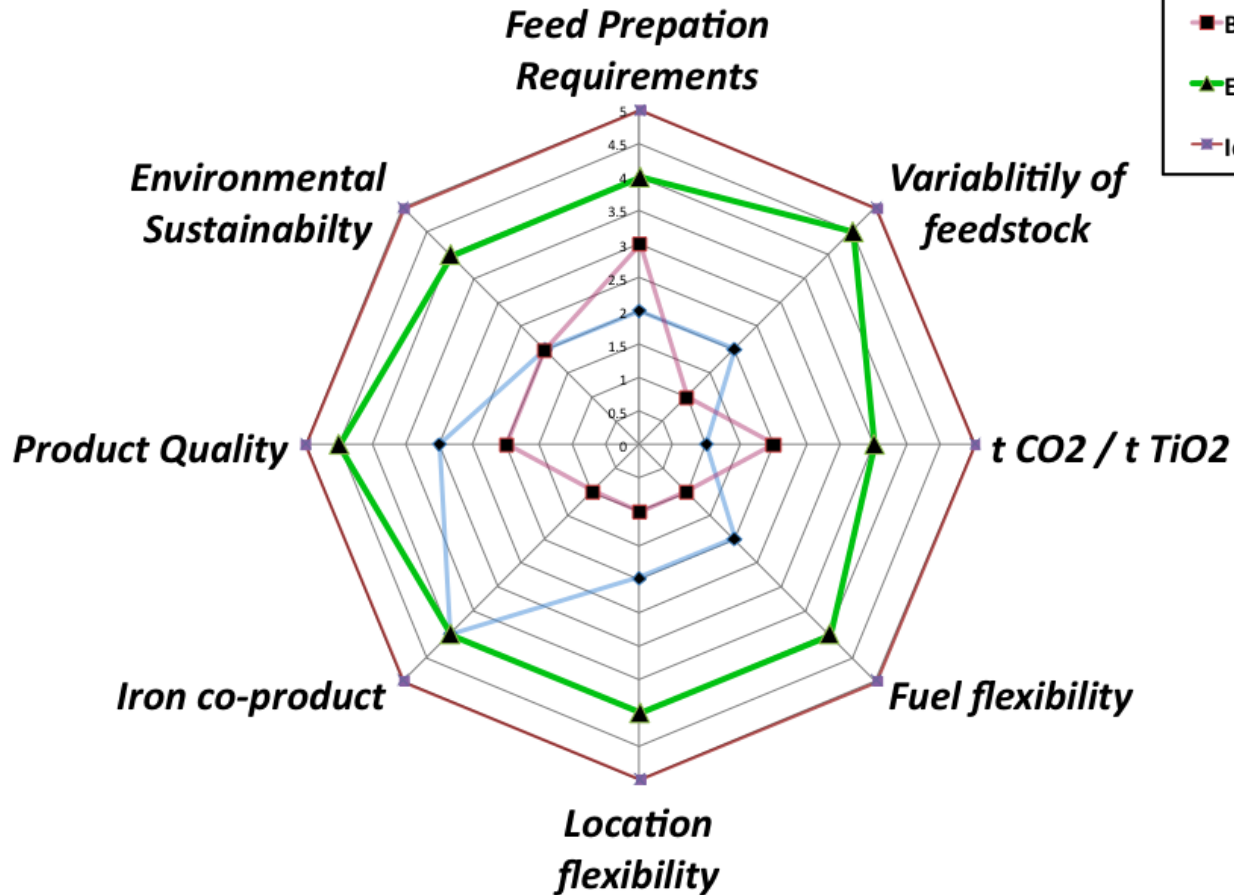
Resource

Feedstock

- Produces **NO LIQUID WASTE** and **NO SOLID WASTE** (no landfill)
- **CARBON CAPTURE CAPABLE**; captured CO₂ is saleable to other industries
- Uses waste heat to **GENERATE ELECTRICITY** so is **SELF-SUFFICIENT FOR POWER**
- Emits **LESS CO₂** than other upgrading processes and makes more revenue per tonne of CO₂ produced

Key Performance Indicators

Chloride TiO₂ Feedstock Processes



Innovative New Technology

The Patented *Continuous Leach Reactor (CLR)*

A continuous process means ERMS SR is more cost-effective, both capital & operating.



Value Adding

Direct Reduced Iron Co-Product

ERMS SR is the ONLY synrutilite process to produce a second saleable product. This offers a wide range of benefits and increased profits.



Versatility

Steel Recycling Plant

The ERMS SR process is versatile – additional revenue from recycling steel mill waste in the one plant is possible.

Currently, Austpac is upgrading its 3,000 tpa Synrutile Demo plant, to a fully commercial steel recycling plant using the EARS section.



Going Forward

60,000 tpa
Commercial
Synrutile Plant



The ERMS SR Process

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- The only SR process to produce a second valuable co-product



Q & A

ERMS SR

THE process for the production of high grade synrutile and co-product iron.

For further information visit us at:

www.austpacresources.com