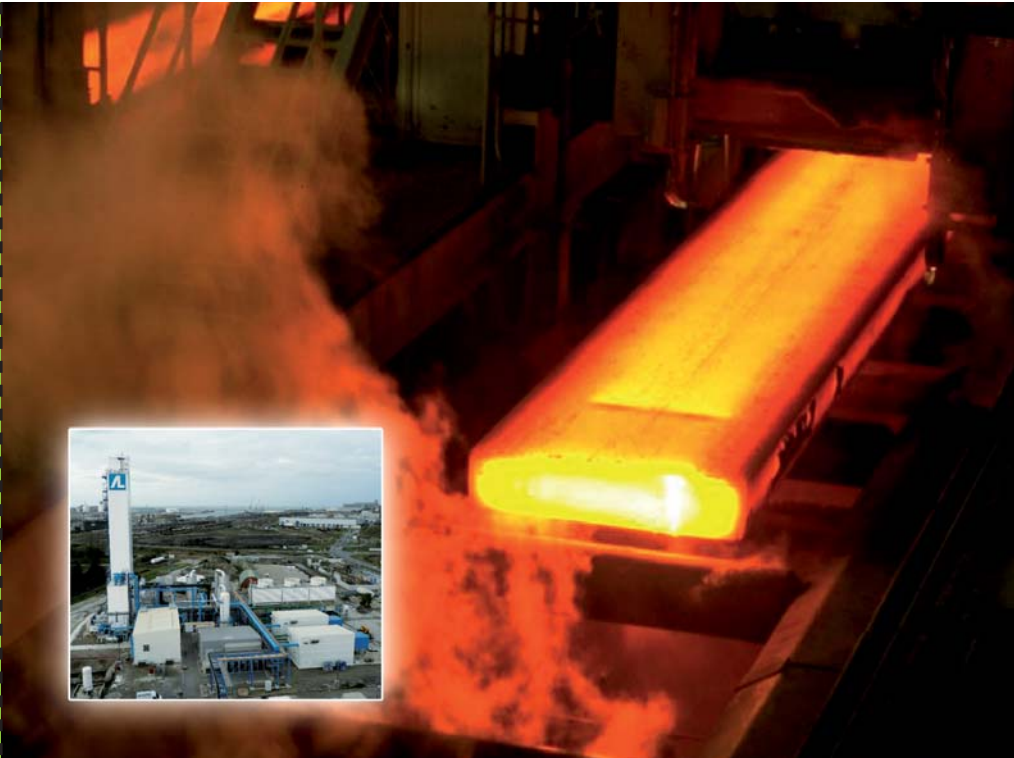


Tailor-made units for metal industries



Designed
on your
specific
requirements

Tailor-made units are designed for specific requirements of each customer.

Depending on the market and the associated application, oxygen production capacities can vary from around 1 000 tons/day up to over 5 000 tons/day.

Tailor-made units for metal industries

Tailor-made units for metal industries are customized for the specific requirements of this industry. These units are mainly designed for 2 kinds of applications:



1

Applications	Oxygen capacity per unit
Electrical arc furnace	100 up to 400 MTPD
Basic oxygen furnace	400 up to 3700 MTPD

- Specific needs:
 - Oxygen under high pressure & high purity is required
 - Nitrogen under all pressure and purity is possible
 - Argon is generally required
 - Liquid production (LOX, LIN, LAR) can be produced.
- For these applications, solutions are Air Separation Units based on patented pumping cycle processes, with a limited number of compressors. This kind of ASUs are modularized and prefabricated in Air Liquide workshops to a maximum extent.
- Unmanned operation (automatic plant start-up, remote operation) available on request



Codelco, Chile

2

Applications	Oxygen capacity per unit
Cooper smelter Non ferrous	300 up to 1 000 MTPD
Blast furnace	1 000 up to 2 000 MTPD

- Specific needs:
 - Oxygen under medium pressure & low purity is required
 - Small amount of Nitrogen is generally required
 - Small amount of Liquid production may be produced.
- For these applications, solutions are Air Separation Units based on patented mixing column processes, with only one air compressor. This kind of ASUs are modularized and prefabricated in Air Liquide workshops to a maximum extent.
- High flexibility and fast load change options (up to 10% min) can be implemented on request
- Unmanned operation (automatic plant start-up, remote operation) available on request.

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