

“Smart Liquid Plants” for the efficient production of liquid Oxygen and Nitrogen

Oxygen and Nitrogen of the highest purity

State-of-the-art energy efficiency

Liquid Oxygen and Nitrogen everywhere

Air Separation Units using cryogenic technology for the production of oxygen and nitrogen in liquid phase offer several advantages:

- *high purity oxygen and nitrogen* thanks to cryogenic technology;
- *lowest energy consumption* thanks to an optimized process and proven machinery;
- *high level skid mounted technology* (5 main modules);
- *easy installation and maintenance* thanks to the modular design and construction (*field assembly 15 days*);
- *easy to use - compact design*: fully automatic system for easy and reliable “unattended” management;
- *remote monitoring service* by SIAD Macchine Impianti to monitor the operating status;
- *50 Hz/60 Hz power supply design*.

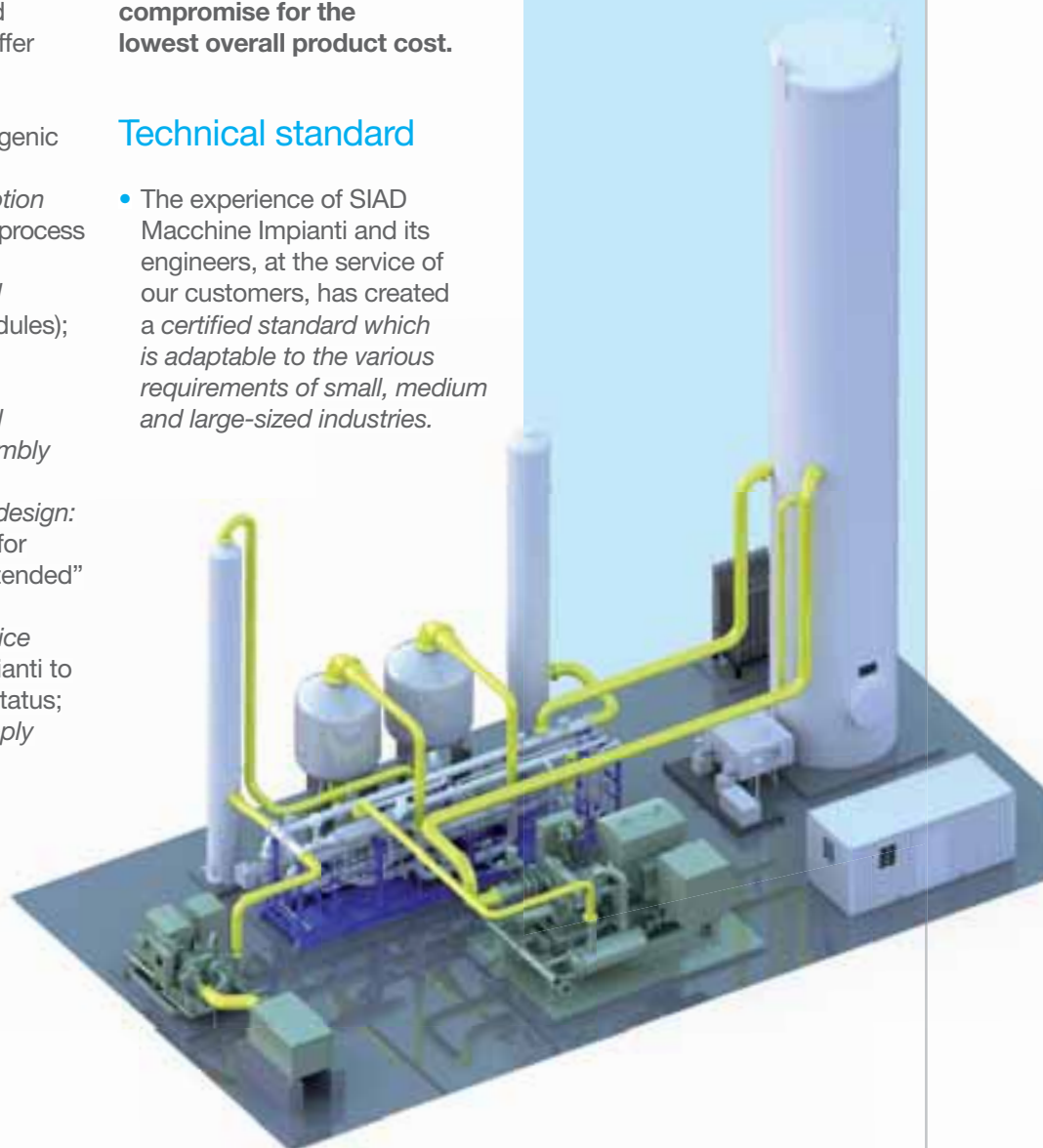
Resulting in optimum CAPEX and OPEX compromise for the lowest overall product cost.

Technical standard

- The experience of SIAD Macchine Impianti and its engineers, at the service of our customers, has created a *certified standard which is adaptable to the various requirements of small, medium and large-sized industries.*

Industry

- Manufacturers of industrial gases



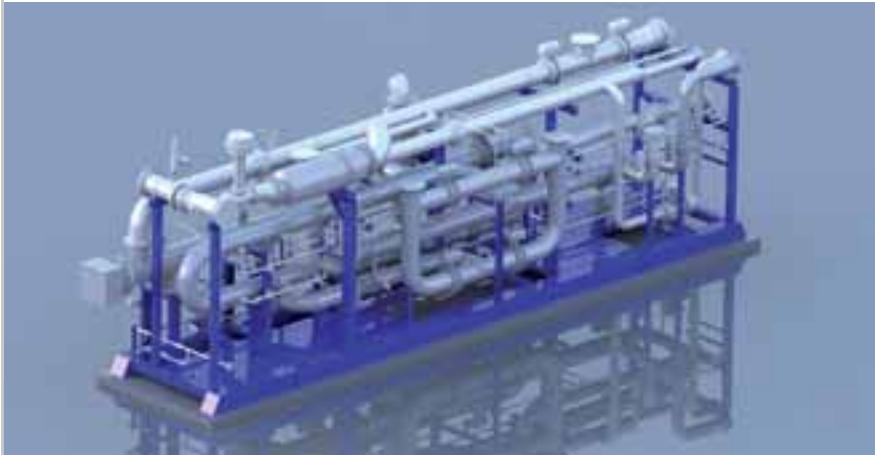
Smart liquid plant range

ASU Model	Liquid oxygen Nm ³ /h - STPD	Liquid nitrogen Nm ³ /h - STPD
SL 30	330 - 12	600 - 19
SL 50	600 - 22	1 000 - 33
SL 75	900 - 33	1 700 - 56
SL 120	1 500 - 55	2 300 - 75
SL 190	2 500 - 90	3 000 - 98

Customised solutions available on request

Technical data

- O₂ purity: 99,6%
- N₂ purity: 99,999% and up to 10 ppm of O₂
- “State of the art” technology with air liquefaction cycle.



International construction and safety standards

The standard design and construction procedures of SIAD Macchine Impianti comply with all the main international standards.

Global Service Division: a complete range of services

- **ASU maintenance and supply of spare parts:** supply of spare parts; maintenance work; preventive maintenance; predictive maintenance.
- **Remote assistance for ASU management:** remote monitoring/parameter checks.
- **On-site support:** commissioning and start up supervision; support for unit stop, restart up and tuning.
- **Training courses:** on-site theoretical and practical courses; theoretical and practical courses at the SIAD Macchine Impianti works.



Find out more about our range of products at our website www.siadmi.com

For further information: siadmi_asu@siad.eu



© 2014 SIAD Macchine Impianti S.p.A.
All rights reserved.

The information contained herein is offered for use by technically qualified personnel at their discretion and risk without warranty of any kind. We regularly update our data, for updated data please visit our web site www.siadmi.com

Printed in Italy
155uk11/14



SIAD Macchine Impianti S.p.A.
Società unipersonale soggetta a direzione e coordinamento di SIAD S.p.A.
I-24126 Bergamo - Via Canovine, 2/4
V.A.T and Fiscal Number: IT 00228420162
Share Capital euro 25.000.000 paid up
R.E.A. BG-72619 - Export: BG 006107

Telephone +39 035 327611
Fax +39 035 316131

siadmi@siad.eu - www.siadmi.com