



Oxygen / Nitrogen Mobile Plants

Profile

Crest Advisory Africa (CAA) (Pty) Ltd

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1. EXECUTIVE SUMMARY

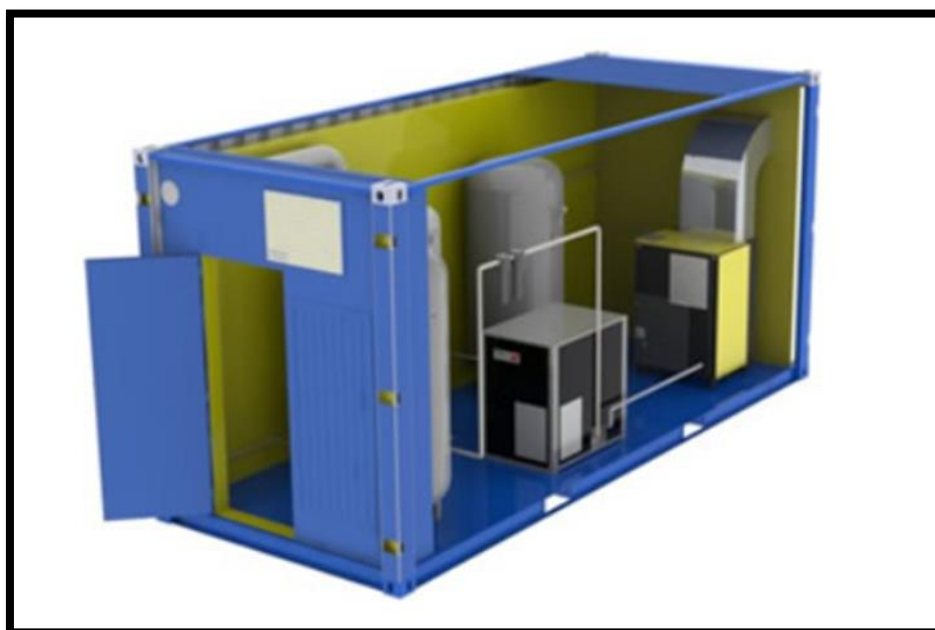
Crest Advisory Africa (Pty) Ltd (hereinafter CAA) is a boutique multi-dimensional company with several offerings which defines CAA. One offering is Project Management, as a boutique management consulting enterprise with the purpose to ensure that our clients benefit from the collective industry experience we obtained within a diverse group of environments.

Because of our collective network within the industry, CAA can source the best solutions and project manage the implementation to optimize the reaching of the objectives for our clients to international quality standards.

In doing so Crest Advisory Africa (Pty) Ltd are leaders in the field to produce the best current solution for mobile Oxygen and Nitrogen Containerized Plants.

In recent years, through the practice of various projects, CAA has the best knowledge and experience to assist with the solution for the African environment and have a hole offering range with the help of its partners.

2. OXYGEN PLANTS



As CAA understand the challenges of generating Oxygen in remote areas or boosting your existing Oxygen capacity CAA has the ideal solution for the generating of high medical quality Oxygen that can be used in Hospitals or Industry.

The CAA`s Mobile oxygen production plant is an oxygen generating system built in a standard size shipping container. The oxygen is produced from compressed air by pressure swing adsorption (PSA) technology. The compressed air system as well as the separation system is integrated in the container.

2.1 Features

Transportable fully turnkey solution designed for outdoors - the container is an excellent protection against rain and sun. Automatic start and stop operation. Standard outlet pressure 4 bar; higher pressure available on request

The unit can be equipped with surveillance system and audio-visual alarm as an option.

2.2 Technical Specification

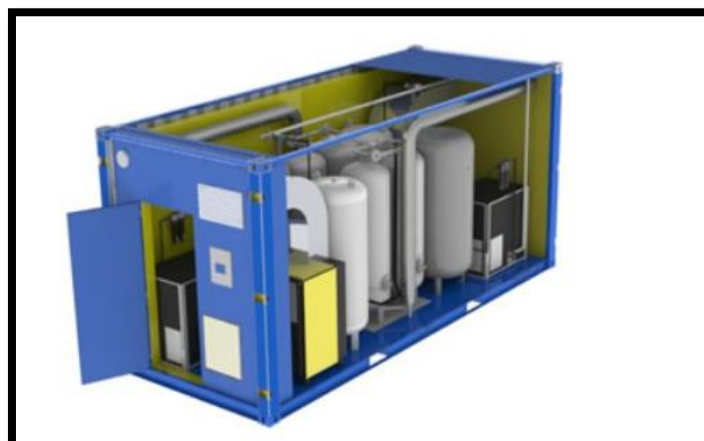
Capacity:	5 to 100 Nm ³ /h
Purity:	90%, 93%, 95%
ISO container:	standard 10ft., 20ft. or 40ft.
Operating costs:	1.1 kWh/Nm ³

The units are designed for high ambient temperatures and are furnished with container insulation and air conditioning; the surfaces are treated with special coating.

Oxygen from this containerized oxygen generating unit is being used in many applications like healthcare, fish farming, ozone, sewage water, glass works, pulp-and-paper etc.

Mobile oxygen production plants are preferred compact solutions designed for outdoors and can be placed on the roof of the building or in a remote area. If you have specific requirements, do not hesitate to contact us and we will design you a solution to meet your requirements.

3. NITROGEN PLANTS



The CAA's Mobile nitrogen production plant is a nitrogen generating system built in a standard shipping container.

The nitrogen is produced from compressed air by pressure swing adsorption technology. The compressed air system as well as the separation system is integrated in the container.

3.1 Features

Transportable (pass for fork-lift and bolt-on ISO corners)

Turnkey, plug & play solution

Designed for outdoors - the container is an excellent protection against rain and sun

Automatic start and stop operation

Standard outlet pressure 5 bar; higher pressure available on request

Purity range from 95% to 99,999%

The unit is equipped with surveillance system and audio visual alarm as an option.

3.2 Technical Specification

Capacity:	2 to 300 Nm ³ /h
Purity:	95% to 99.999% (10ppm)
Pressure dew point:	-50°C
Operating conditions:	-20°C to 40°C (50°C)
ISO container	20ft. (10ft.)
Dimensions:	6.1 x 2.5 x 2.6m (3.1 x 2.5 x 2.6m)
Power consumption:	from 0.21 kW/m ³ at 95%
	from 0.32 kW/m ³ at 99.5%
	from 0.72 kW/m ³ at 99.999%

The units are designed for high ambient temperatures and are furnished with container insulation and air conditioning; the surfaces are treated with special coating.

Mobile nitrogen production plants are preferred compact solution design for outdoors, can be placed on the roof of the building or in the remote area. If you have specific requirements, do not hesitate to contact us and we will design you a solution to meet your requirements.

Nitrogen from this containerized nitrogen generating unit is being used in many applications e.g. as inert gas in coal mining or petrochemical industry or cutting gas in laser cutting.

4. CONCLUSION

In short, Crest Advisory Africa (Pty) Ltd believes that we can provide our clients with the best combination in Oxygen and Nitrogen generation in a modular form that can be mobile and moved from one site to another as needed. Please feel free to contact us to discuss any of your specific needs to work out an option to best suit and reduce your cost, and the economic benefit for your situation.

5. COMPANY INFORMATION

- Company Registration Details:
 - Crest Advisory Africa (Pty) Ltd
 - 2014/114425/07
 - Registration date: 2014-06-13
- South African Revenue Service (SARS) registrations
 - Income Tax: 9900701153
 - VAT Registration No: 4530267352
 - PAYE No: 7110786482
 - UIF No: U110786482
 - SDL No L110786482
- Compensation Commissioner
 - WCF Registration no: 140017096973
- B-BBEE Status
 - CAA is a Level 2 B-BBEE with 125% procurement recognition
- Services SETA
 - Accreditation Number as Training provider: 12236
 - Risk Management: Unit Standard: 252025
 - Date of Accreditation: 8th March 2017
 - 1724
- E-mail, Telephone and Facsimile numbers:
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