

OXYMAT®
MEDICAL OXYGEN
ON-SITE SOLUTIONS



**CERTIFIED
MDR**

**CERTIFIED
PED**

OXYMAT®

MAKING YOUR HOSPITAL OXYGEN INDEPENDENT

With an on-site oxygen generator solution from OXYMAT you have steady supply of medical oxygen. No need to worry about supply and rising prices, you will be independent and able to produce oxygen directly at your hospital - either for piping, cylinders or both.

OXYMAT is specialised in designing and manufacturing on-site oxygen solutions, using pressure swing adsorption (PSA) technology. We have been designing, engineering and manufacturing since 1978.

With our track record comes first hand knowledge of the market, development, demands and the possibilities the PSA technologies holds.

WORLDWIDE

We operate worldwide and it is our mission to be your preferred innovative, dynamic and environmentally responsible supplier of on-site medical oxygen solutions.

HERE TO GUIDE YOU

Our team consists of more than 100 skilled and dedicated employees working out of our offices in Denmark and production facility in Slovakia. They are always ready to find the right solution to meet your needs and guide you through the process.

FULL-SERVICE OFFER

We can take care of your entire oxygen system with a plug-and-play solution including remote control and support, training, supervision and services. Or you can choose a lighter scope with local piping and installation.

KEY FEATURES

- Independent of oxygen delivery - security of supply
- 24/7/365 access to high quality medical oxygen
- Produce on-demand
- Low and predictable opex
- Full automation
- MDR approval and ISO certified
- Plug-and-play
- Piping and/or cylinder filling



Lower energy
consumption



High
material quality



+6,000
Installations
worldwide



Experience
Since 1978



On-site cylinder
filling option



Plug-and-play
solutions



Safe delivery,
controlled flow
and uninterrupted
oxygen supply



Fast ROI
with minimal and
predictable opex



Require very little
maintenance
and service



Designed for
24/7/365
operation

HIGH QUALITY

OXYMAT is well known in the market for our high-quality generators - several OXYMAT generators have been running for +20 years before taken out of service.

We can provide the state-of-the-art oxygen supply you need to meet your day-to-day requirements and demands. An OXYMAT medical oxygen system is the wise and safe choice when choosing your oxygen supply.

In close cooperation with our increasing number of medical customers, we have designed and developed a product line specifically for the medical application.



TWIN TOWER

Our Twin Tower models are designed for durability in tough conditions and industrial environments. The standard scope of supply includes a control system, which can be upgraded with several possibilities for touch screen, remote control access etc.

- Designed for tough conditions
- High performance
- Low CO2 footprint
- Design, production and generators are MDR approved

The Twin Tower can be delivered as stand-alone equipment, on skids or as a plug-and-play x-frame or containerized.

SAFETY FIRST - ALWAYS

OXYMAT can design and install a medical oxygen generating system with all its proper capabilities, monitoring and alarm system to reflect your local safety requirements. The unit is equipped with touch controller for easy access and automatically calls alarms and switch to back-up supply when malfunctioning occurs.

NON-STOP OPERATION

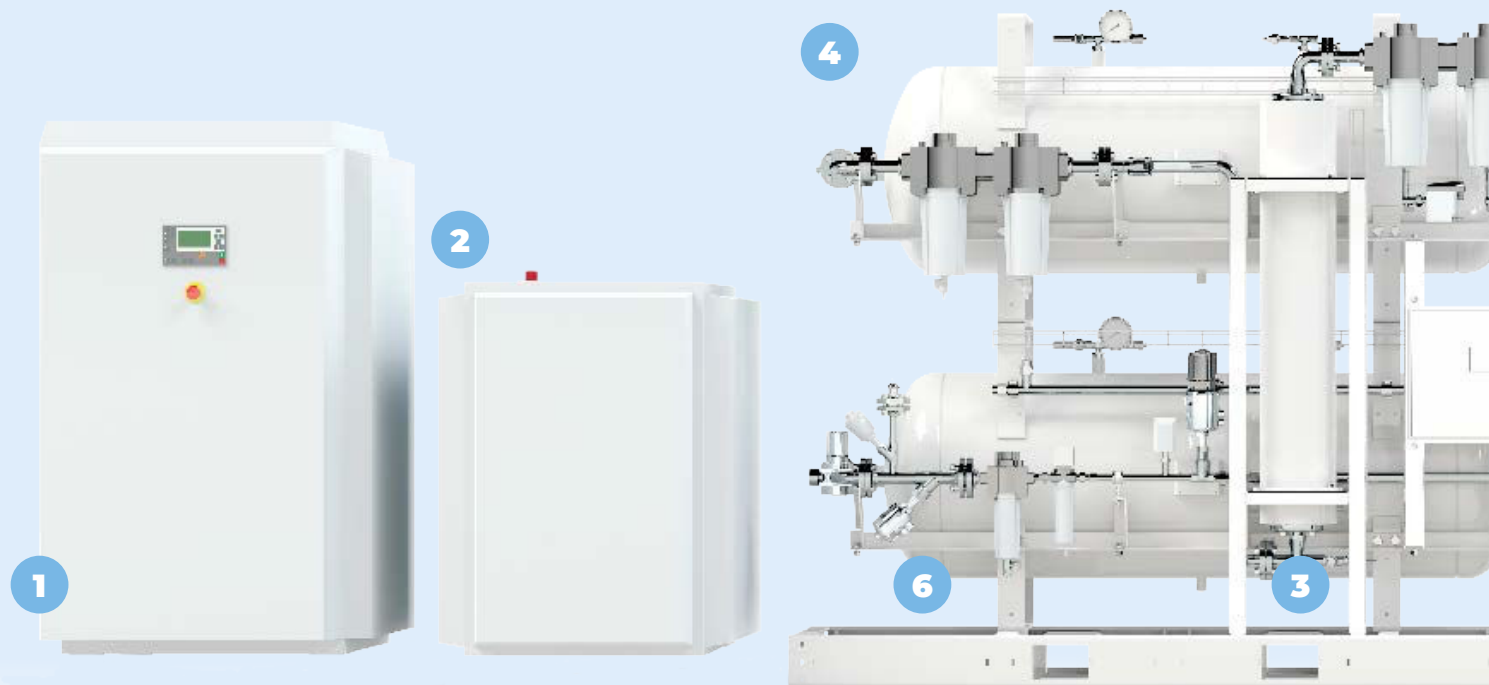
Our oxygen generating systems are designed to operate 24/7/365.

Cylinder filling back up provides safe delivery of oxygen to the pipeline system in the hospitals. And you are no longer dependent on unstable deliveries and fluctuating gas prices.

OXYMAT[®]

MEDICAL OXYGEN

PRODUCE ON-DEMAND ON-SITE



1

COMPRESSOR

provides compressed air and adds the required level of pressure and flow

2

DRYER

removes moisture from the compressed air by cooling

3

COAL TOWER

adsorbs oil and fractional impurities

4

AIR TANK

provides required volume of air for PSA generator

OXYMAT MEDICAL OXYGEN

With OXYMAT you get full flexibility in plant layout. You can choose everything from a standard delivery to containerized unit and everything in between (skid, x-frame etc.).

Our design can easily be installed with any existing oxygen supply, it can be cylinders, cryogenic or existing PSA systems.



With a containerized unit you get
a **PLUG-AND-PLAY SOLUTION**

All you need is:
PLANE SURFACE AND POWER

5

PSA GENERATOR

filled with molecular sieve traps nitrogen molecules and allow oxygen molecules to flow through

6

PRODUCT TANK

high quality oxygen flows from the PSA generator to the product tank and is ready for use

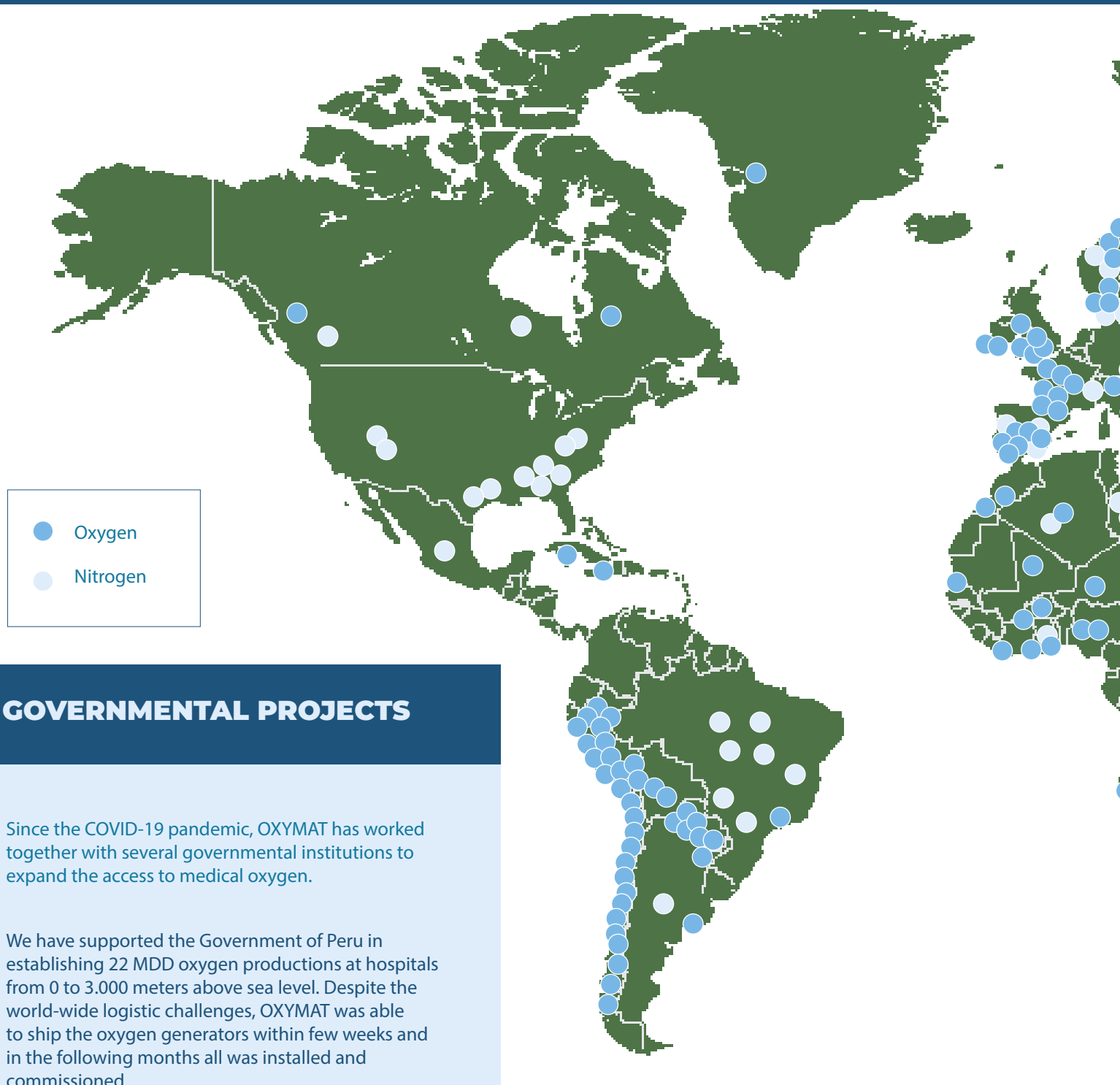
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STORAGE SYSTEM

fill your own compressed gas cylinders for product backup

OXYMAT®

A WORLD OF REFERENCES



GOVERNMENTAL PROJECTS

Since the COVID-19 pandemic, OXYMAT has worked together with several governmental institutions to expand the access to medical oxygen.

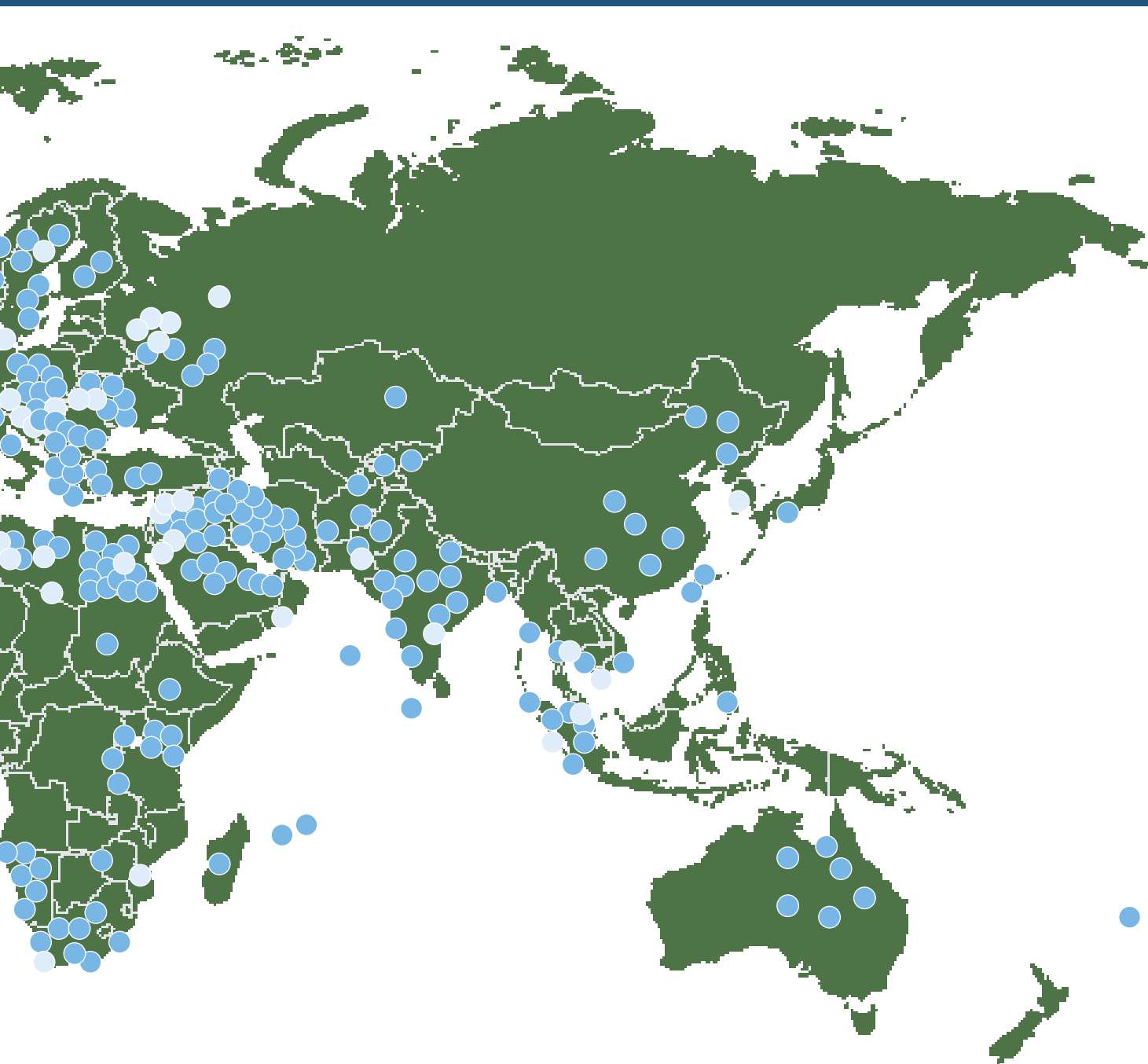
We have supported the Government of Peru in establishing 22 MDD oxygen productions at hospitals from 0 to 3.000 meters above sea level. Despite the world-wide logistic challenges, OXYMAT was able to ship the oxygen generators within few weeks and in the following months all was installed and commissioned.

OXYMAT is also supporting the largest private hospital corporation in Paraguay with an expansion of their medical oxygen supply - both for piped and for cylinder filling.

SMALL PROJECTS - FAST DELIVERY

We have ramped up production and have short delivery times.

Our ready-to-order standard production line for medical oxygen can be delivered with short lead time including all necessary equipment.



WORKING WITH LARGE INTERNATIONAL NGOS

Our track record of working with NGOs to supply medical oxygen to countries in need goes as far back as our company history. Latest we have supplied medical oxygen production in the fight against COVID-19.

In 2020, OXYMAT supplied complete medical oxygen lines directly to the bed side to field hospitals in the largest refugee camp in Bangladesh. And in 2021, we have cooperated with Give India in their mission to supply oxygen production for local hospitals.

OXYMAT[®]

MEDICAL OXYGEN

HIGHEST LEVEL OF INTERNATIONAL APPROVAL

OXYMAT medical oxygen solutions is designed and manufactured according to European directives:

- MDR (2017/745)
- PED (2014/68/EU)

OXYMAT is certified in accordance with international standards:

- ISO 9001:2015
- ISO 13485:2016
- ISO 14001:2015

Furthermore, we comply with ISO 7396-1 standard for medical gas pipeline

Certified by DNV, URS and Apragaz

We have extensive experience in designing, engineering and delivering thousands of oxygen systems all over the world, in accordance with international and national authorities.



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