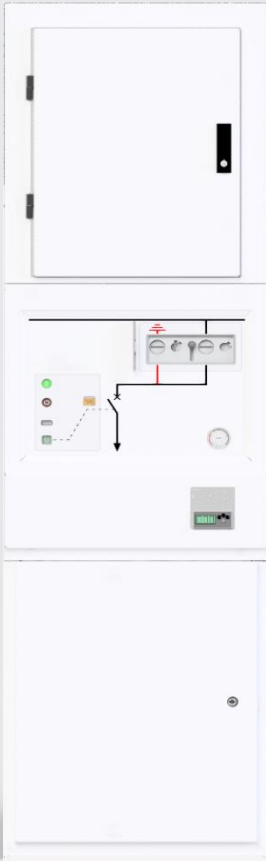


## nu1 - Dry Air GIS

### Primary Distribution up to 36 kV



Nuventura's nu1 gas-insulated switchgear (GIS) replaces SF<sub>6</sub> – the world's strongest greenhouse gas – using climate-friendly **dry air** insulation.

This has been achieved while maintaining SF<sub>6</sub>-GIS' benefits:

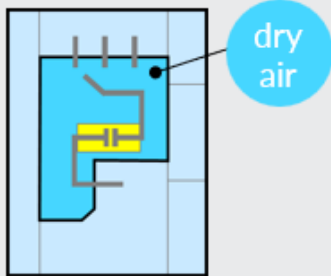
- ✓ Compact dimensions
- ✓ High reliability
- ✓ Maintenance-free design

Our business model makes it possible for **switchgear manufacturers to expand their own product portfolios** by either licensing our IP or buying core modules to integrate into their own designs.

Our **products are also available for deployment in projects** by end-users or EPCs i.e. for utility, industry, or renewable applications.

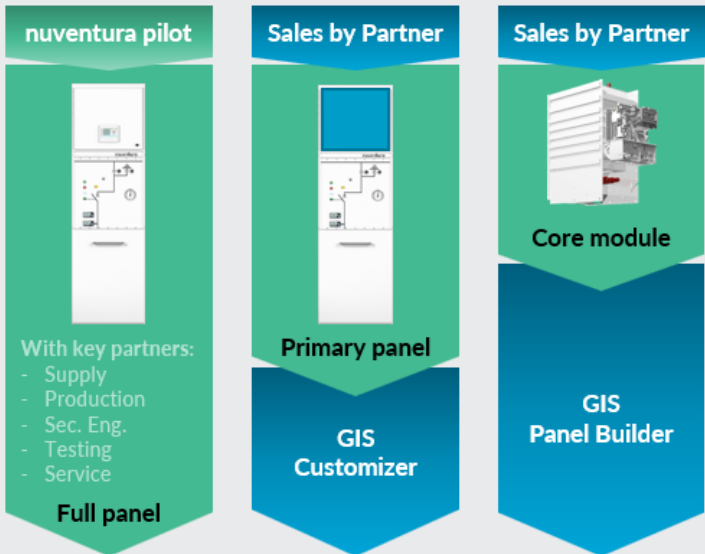
**Dry Air GIS technology**  
combining the best of SF<sub>6</sub>-GIS and AIS

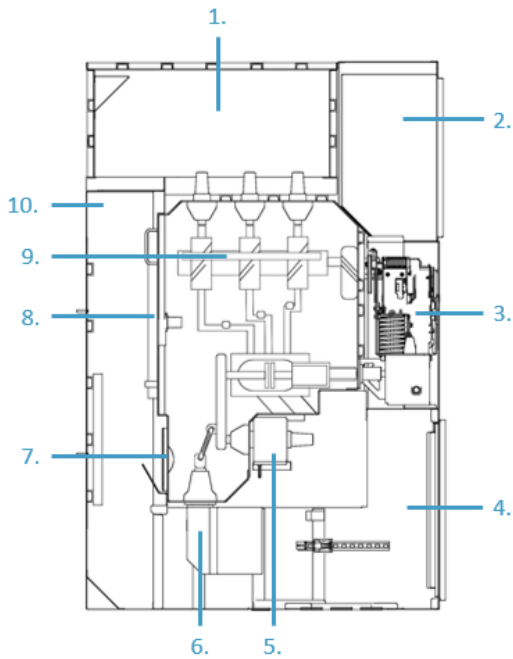
**For everyone**  
Panel builders & OEMs, End-users & EPCs



### Dry air GIS

- ✓ 100% dry-air insulation
- ✓ As compact as SF<sub>6</sub>-GIS
- ✓ Sealed from ambient impacts
- ✓ Maintenance-free



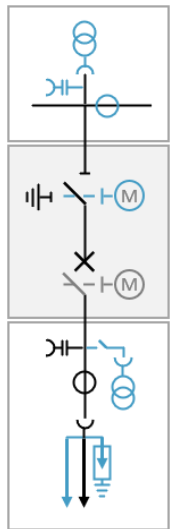


- |                            |                                |
|----------------------------|--------------------------------|
| 1. Busbar compartment      | 6. Voltage transformers        |
| 2. Low voltage compartment | 7. Pressure relief disc        |
| 3. Drive compartment       | 8. Gas tank door               |
| 4. Cable compartment       | 9. Three-position disconnecter |
| 5. Current transformer     | 10. Pressure relief duct       |

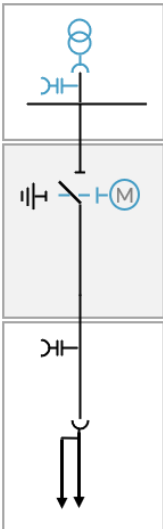
### Technical data acc. to IEC 62271-200

Rated voltage	kV	24	36
Testing voltage (PF/Impulse)	kV	50/125	70/170
Rated frequency	Hz	50/60	50/60
Rated busbar current	A	1250/2000	
Rated feeder current	A	1250/2000	
Rated short time current	kA	31.5 (3s)	31.5 (3s)
Internal arc protection AFLR	kA	31.5 (1s)	31.5 (1s)
<b>Dry air insulation medium</b>			
Filling pressure (rel.)	bar	1.8 at 20 °C	
Min. operating pressure (rel.)	bar	1.6 at 20 °C	
Operating temperature	°C	-5 ... +40	
<b>Dimensions</b>			
Width	mm	650	650
Height	mm	2300	2300
Depth	mm	1500	1500

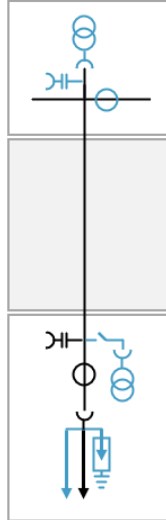
Circuit-breaker panel



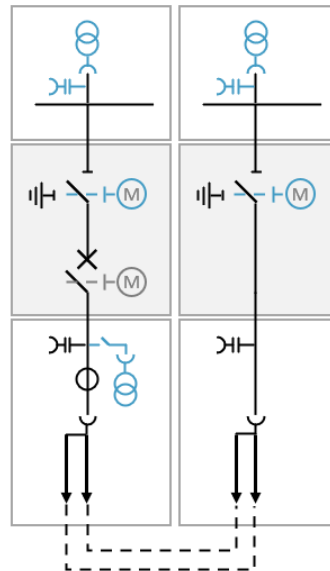
Disconnecter panel



Direct connection panel



Bus sectionalizer panel



Other variants

- ✓ Busbar earthing
- ✓ Metering panel