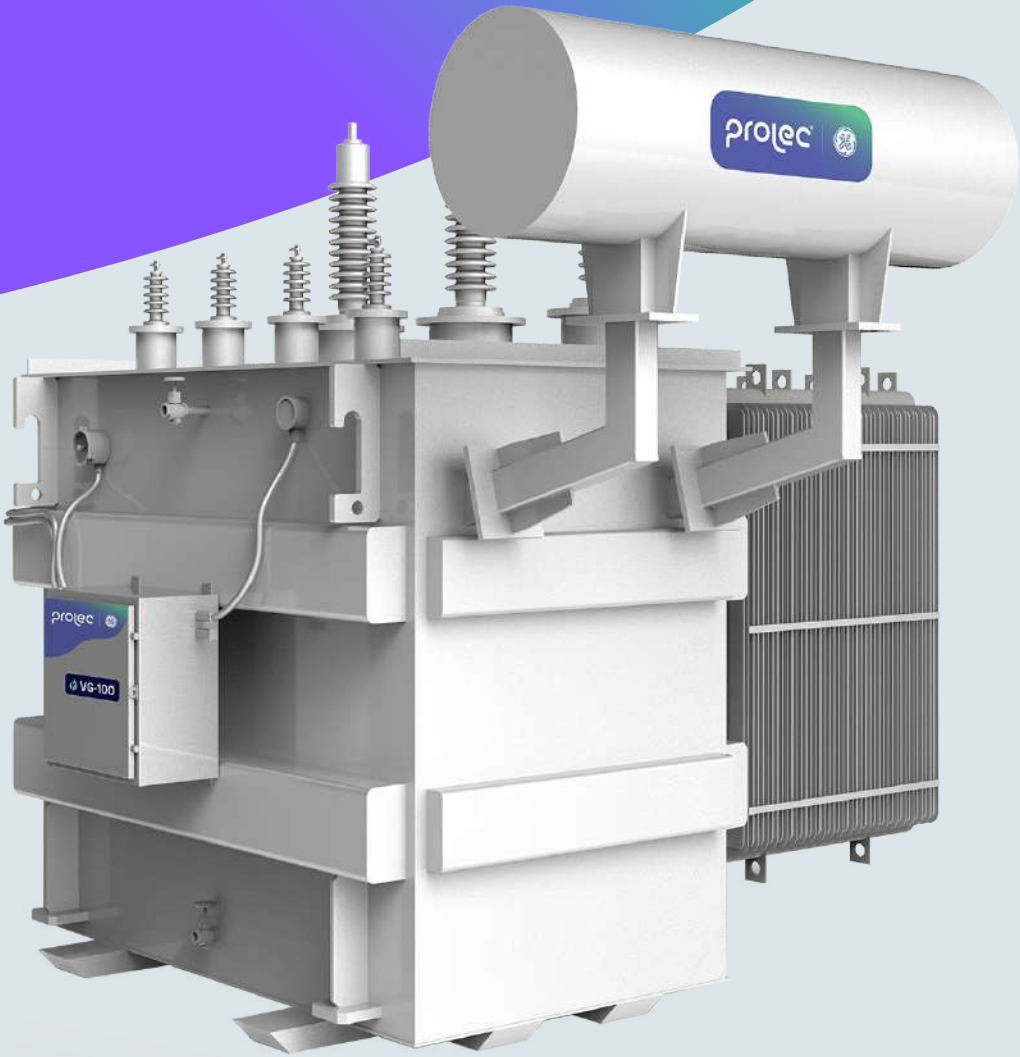


prolec®



 **VG-100®**

Natural Ester Based-Oil  
in Power Transformers



 **VG-100®**

VG-100® is a dielectric liquid derived from natural esters of edible seeds, formulated using a proprietary process for use in electrical transformers—both new and retrofill. It was developed by Prolec GE in 2009 as an environmentally-friendly alternative to existing dielectric fluids. It is 100% natural and biodegradable, and does not contain any synthetic antioxidant, petroleum, or toxic compounds.

More than 70 power transformers (up to 95 MVA, 138 kV) successfully manufactured, tested and filled with VG-100®.

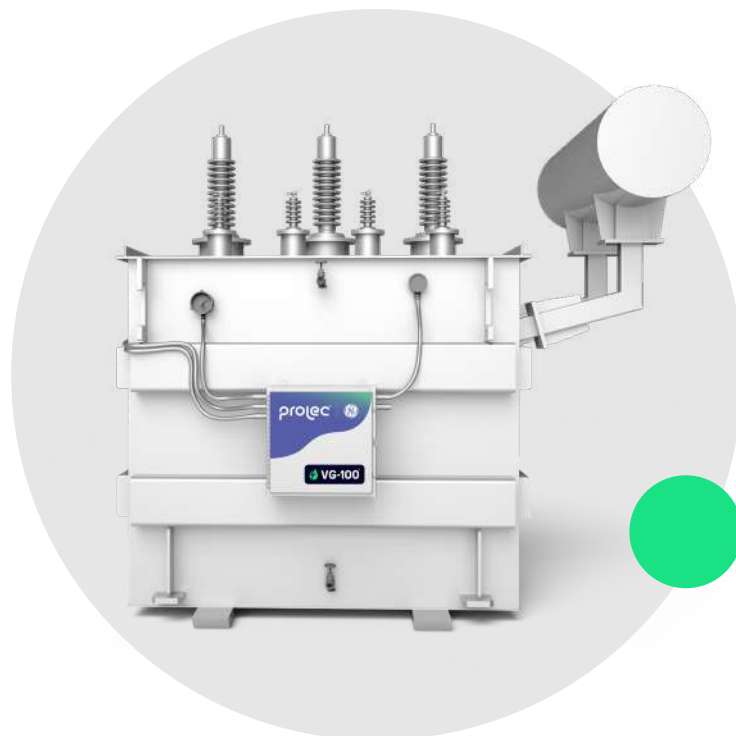
**VG-100® applications**

Environmentally friendly solutions with a high degree of flammability in the following applications:

- Liquefied natural gas plants (LNG)
- Oil refineries
- Paper factories
- Data warehouses
- Offshore Wind
- Data center

**Scope**

- PST/PT, CSU: 400 MVA max, up to 230 kV



**Certifications**

International standards for dielectric vegetable oils used in transformers:



**Benefits**

- Environmentally friendly, 100% biodegradable
- No toxic additives
- No negative impact in the environment if accidentally spilled
- Transformers can withstand an overload of 12% without reducing the life cycle
- High fire point (>300°C) reduces fire risk
- Self-extinguishing, fire ceases when heat source is removed
- Reduces costs for indoors fire protection
- No need for sprinklers or vault
- Only 5ft clearance to walls
- Smaller transformers for the same rating

FLYR-VG100-0422-01

**FOR MORE INFORMATION:**

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