



Wind Generators

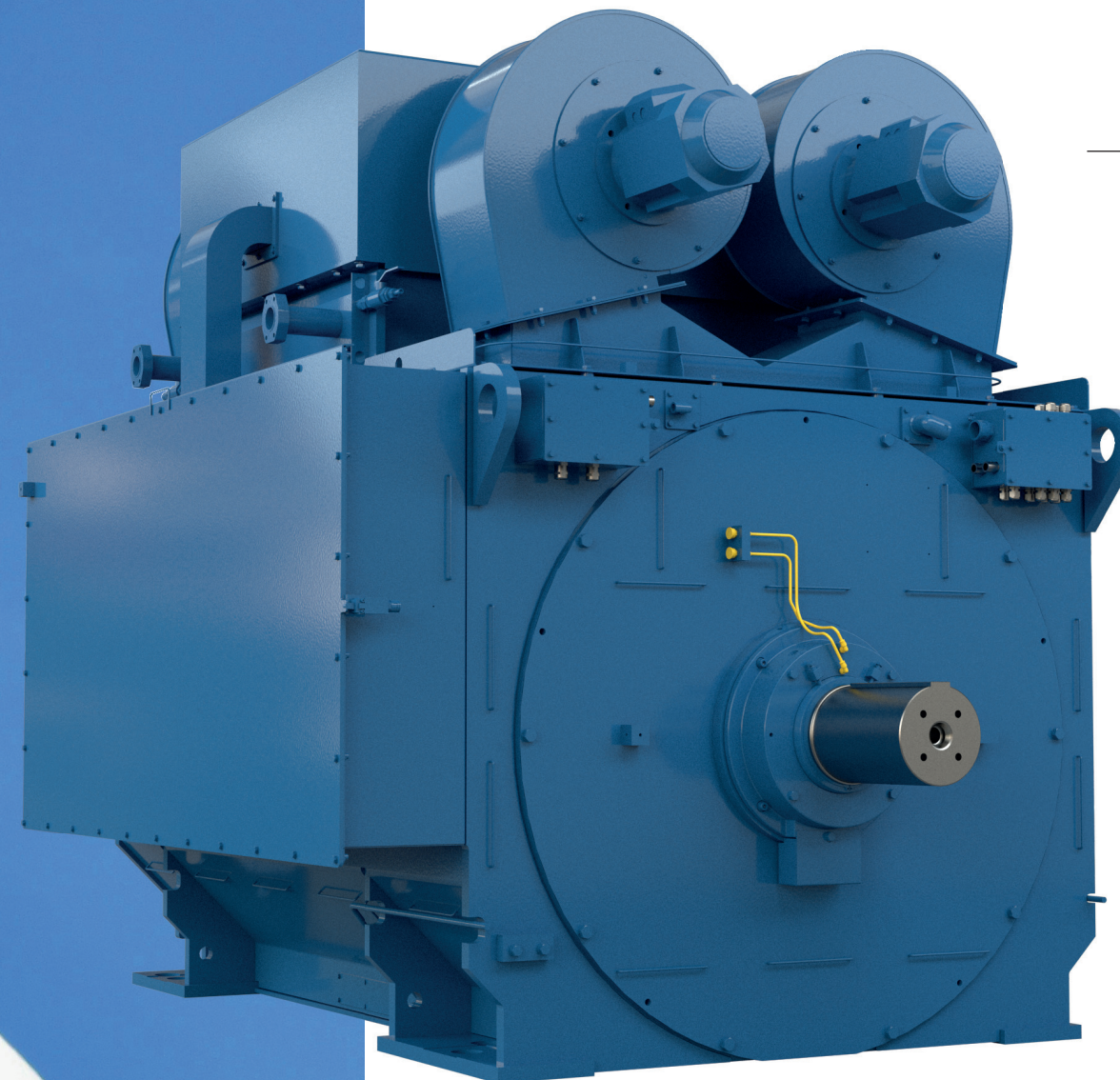
Maximum energy output
and adaptability for
utility-scale products

induction by Gamesa

Wind
Generators

Over 25,000 wind generators in 25 years

Reliable and well proven
insulation system



— Different cooling concepts:

Air-to-air, | Air-to-water | Open cooling

— Adjustable speeds:

Low < 20 rpm

Medium 100–600 rpm

High >1000 rpm

— 50–60 Hz
frequency-specific
design

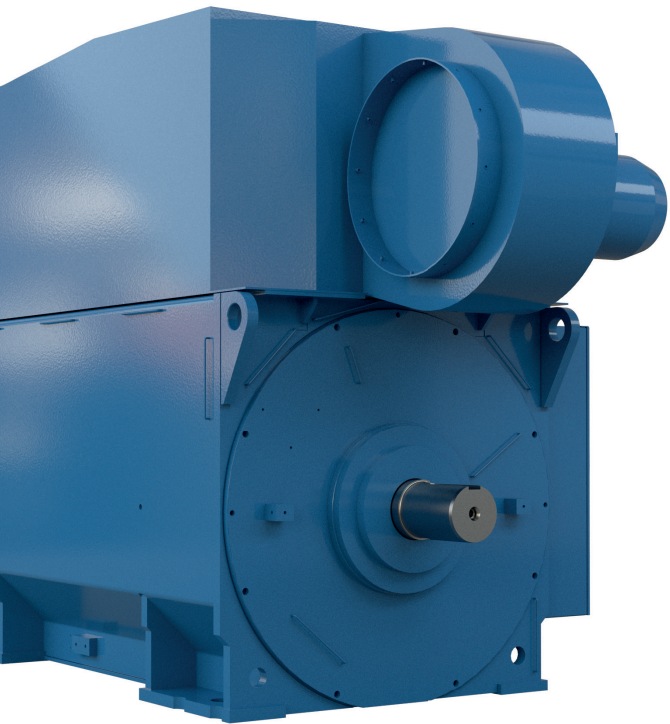
— Up to
50°C Tamb

Up to 9 MW

Onshore Generators

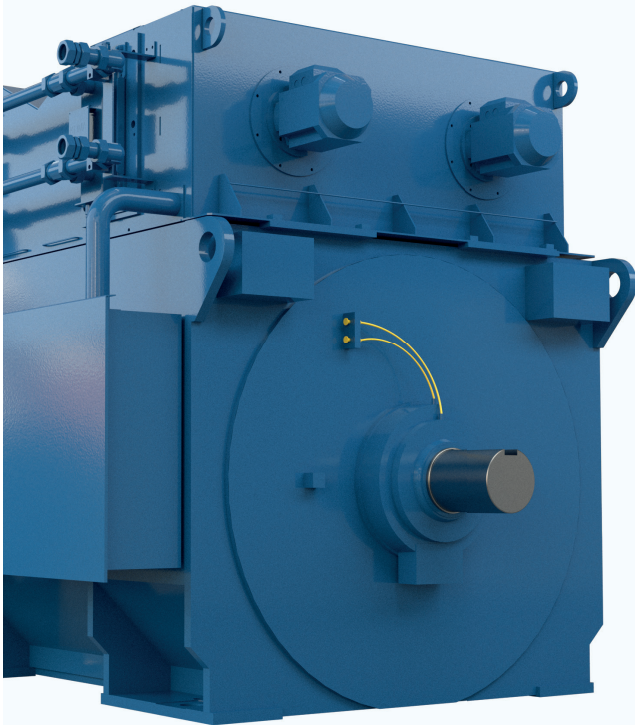
Driving success
through adaptability
and efficiency

2x



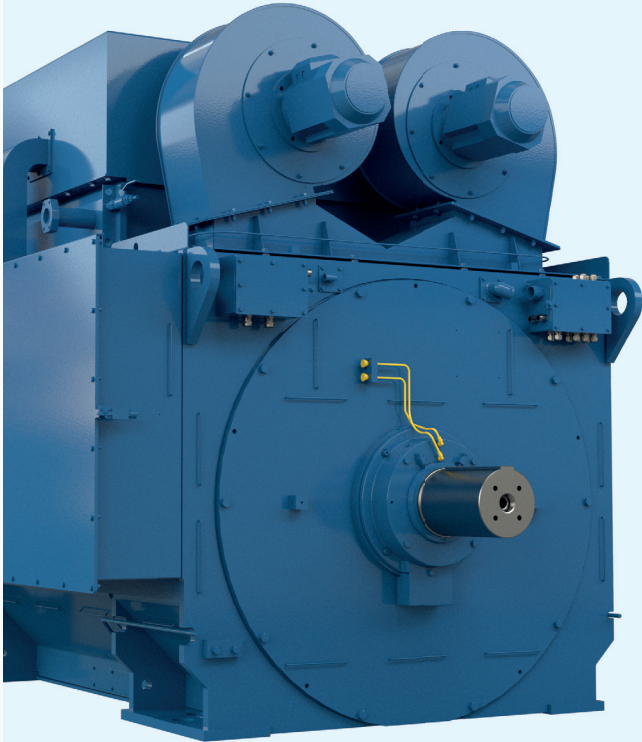
Power MW
2.0 – 2.7

3x



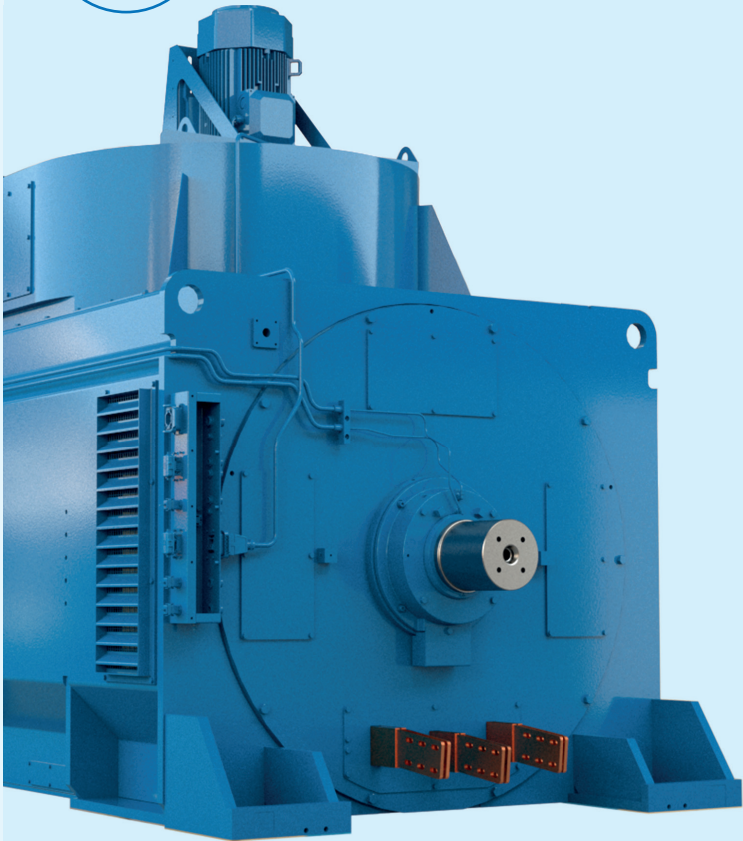
Power MW
3.3 – 3.7

4x



Power MW
4.4 – 5.0

7x



Power MW
7.0 – 8.0



Wind turbine technologies

Our wind generators feature advanced technologies designed to maximize energy output and reliability across all wind conditions. Combining innovative design with seamless grid integration, our solutions deliver high efficiency and low maintenance.

Integrated solution

High-efficiency generator with permanent magnets. Lower cost, compact design, less electrical loss, and minimal maintenance.

Permanent Magnet

High-efficiency generator with permanent magnets. Compact design, less electrical loss, and minimal maintenance.

Direct Drive

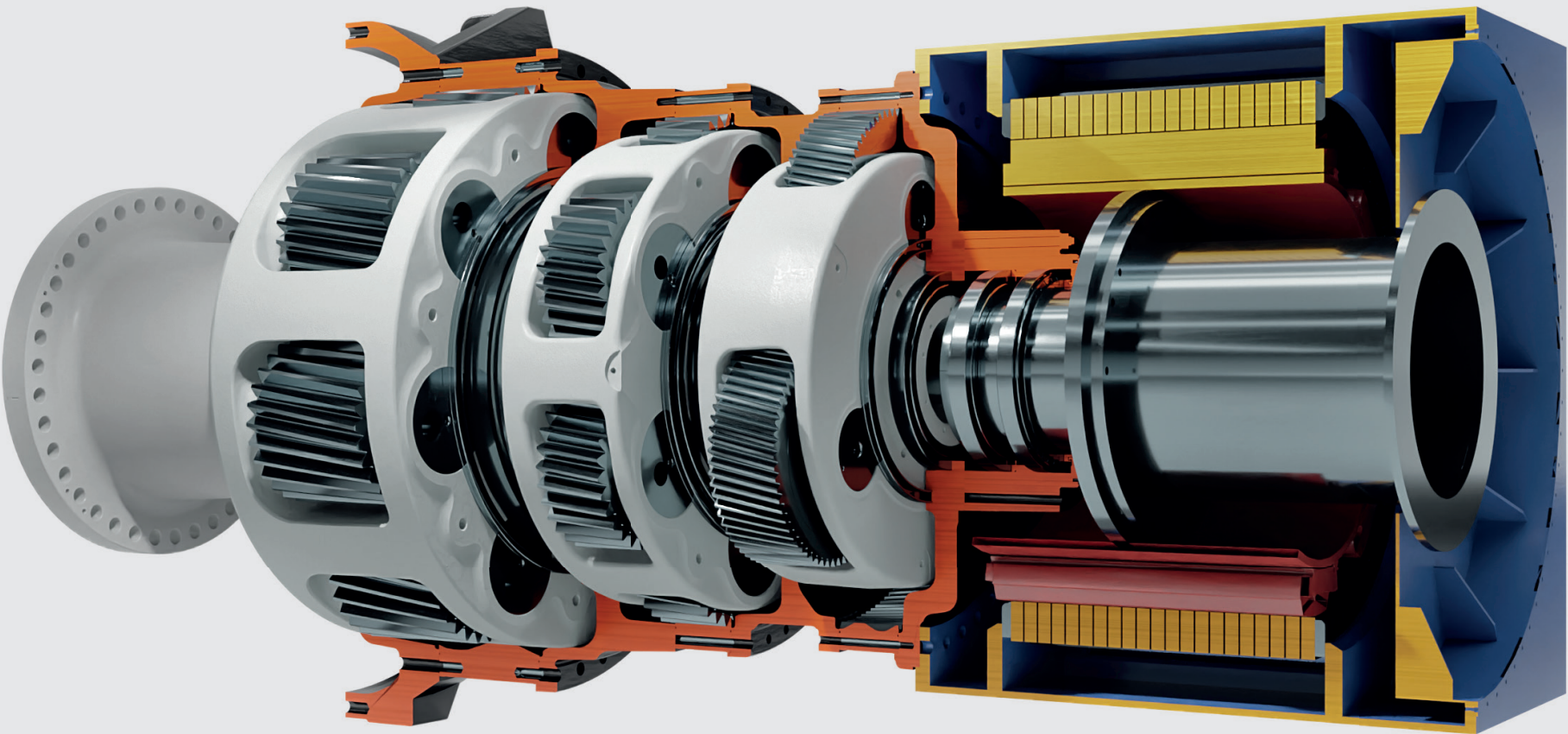
Gearbox-free design that reduces maintenance and improves efficiency. Perfect for offshore and high-wind turbines.

SCIG

Simple, robust induction generator used mainly in onshore turbines for moderate wind conditions. Low maintenance and cost-effective.

DFIG

Traditional geared turbines operating at medium to high speeds. Proven, cost-effective, suited for onshore sites.





Wind
Generators

Offshore business

Built on proven direct drive technology. Tested and validated in real-world conditions, delivering reliable, efficient, and high-performance solutions you can trust.

Complete solutions

Our expertise covers the entire process, turning innovative ideas into robust, market-ready products.

Reliable design

Optimized for harsh sea conditions, delivering high performance and longevity.

Top-class insulation system
developed and owned in-house

Pushing boundaries in offshore
engineering and manufacturing

Pioneers in automation
and modern industrial processes

Integrated in-house design,
supply chain management,
and manufacturing worldwide



Wind
Generators

Why Gamesa Induction?

People

We are people driven by nature. We are deeply proud to be part of something truly significant. Together, we are not just building a more sustainable world; we are creating a brighter future for generations to come. As part of an international family united by a shared vision, we strive for one powerful goal: a better world for all.

Competitiveness

Gamesa Induction guarantees that it will meet the technical requirements of every project at an attractive price.

Flexibility

Full product customisation, allowing us to adapt to each customer's needs. This means that each and every project becomes a tailor-made solution with high added value.

Decades of expertise

Gamesa Induction has more than 95 years of experience in the manufacture of electric generators and motors and 25 years of expertise in the development of its own power electronics technologies.

Technological innovation

For projects where reliability and performance under low-load conditions, we offer permanent magnet generators. By combining these generators with suitable power electronics systems, we can offer an integrated power generation system that does not require speed control. This significantly increases the return on investment from limited hydraulic resources.

Technical support

Gamesa Induction provides all the required support during the installation and commissioning to ensure the optimal machine operation, including the necessary validation, quality control and project management procedures.

Multiple communication channels

We provide our customers with multiple communication channels to respond quickly to requests for information, service and support. Direct access to our multidisciplinary teams across different countries is guaranteed, either through the usual contact methods or through our website.

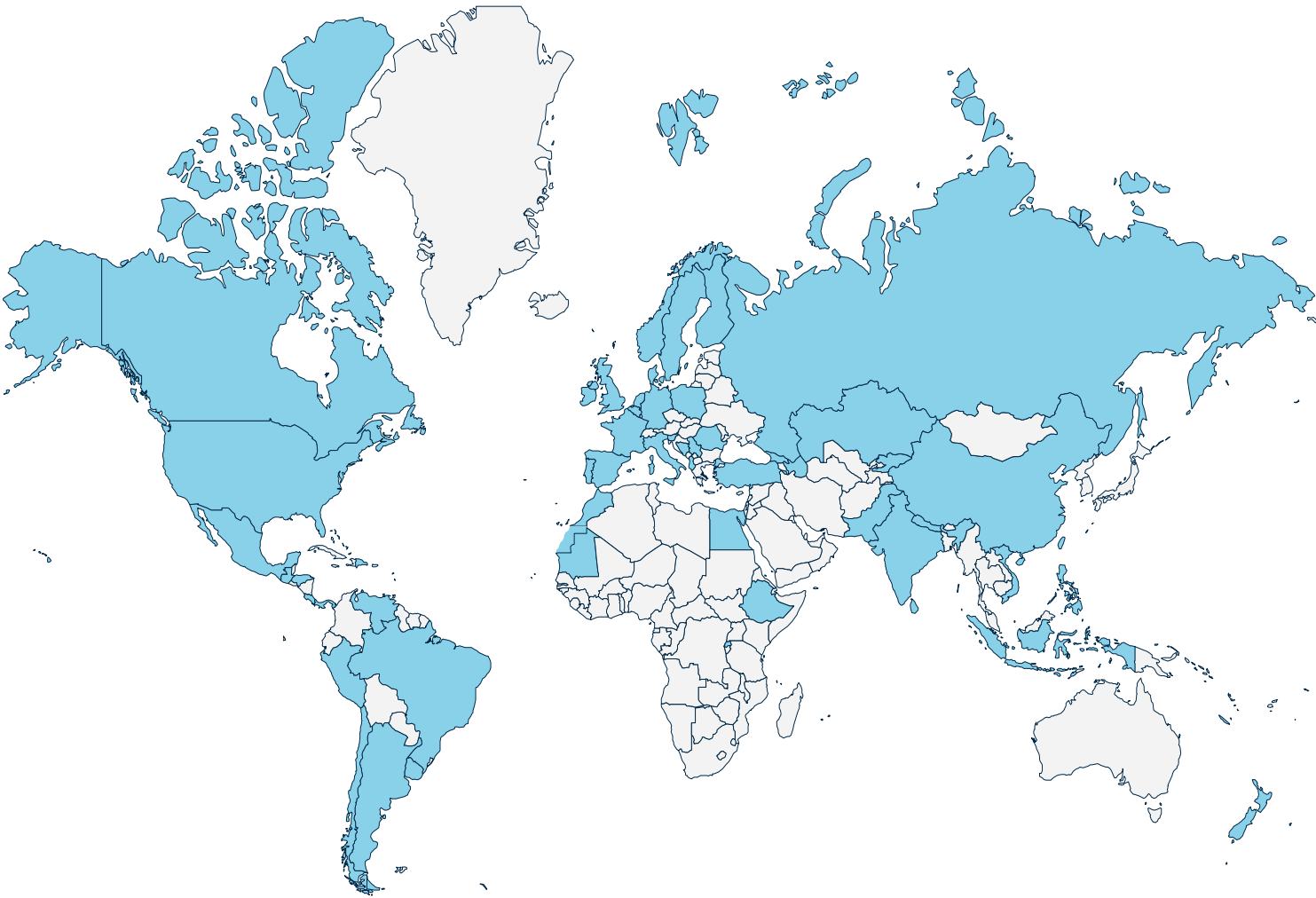
Technical Assistance Service (TAS)

Electric Generators & Motors
Paseo Alejandro Calonge, 3
39200 Reinosa (Spain)

+34 600 922 857
TASgenerators@gamesacorp.com

IFFCO KISAN SEZ LIMITED
Village Racharlapadu
Adjacent to NH5
Nellore – 524319 Andhra Pradesh (India)

+91 83742 48282



Worldwide presence

- | | | | | | | |
|-----------|--------------------|-------------|---------------|-----------------|----------------|---------------|
| Argentina | Cyprus | Germany | Italy | New Zealand | Russia | United States |
| Belgium | Denmark | Greece | Jordan | North Macedonia | Serbia | Vietnam |
| Bosnia | Dominican Republic | Guatemala | Kazakhstan | Norway | South Korea | Venezuela |
| Brazil | Egypt | Netherlands | Kuwait | Pakistan | Spain | Sri Lanka |
| Canada | Ethiopia | Honduras | Mauritania | Peru | Sweden | Taiwan |
| Chile | Philippines | India | Mexico | Poland | Turkey | |
| China | Finland | Indonesia | Morocco | Portugal | United Kingdom | |
| Croatia | France | Ireland | New Caledonia | Romania | Uruguay | |



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