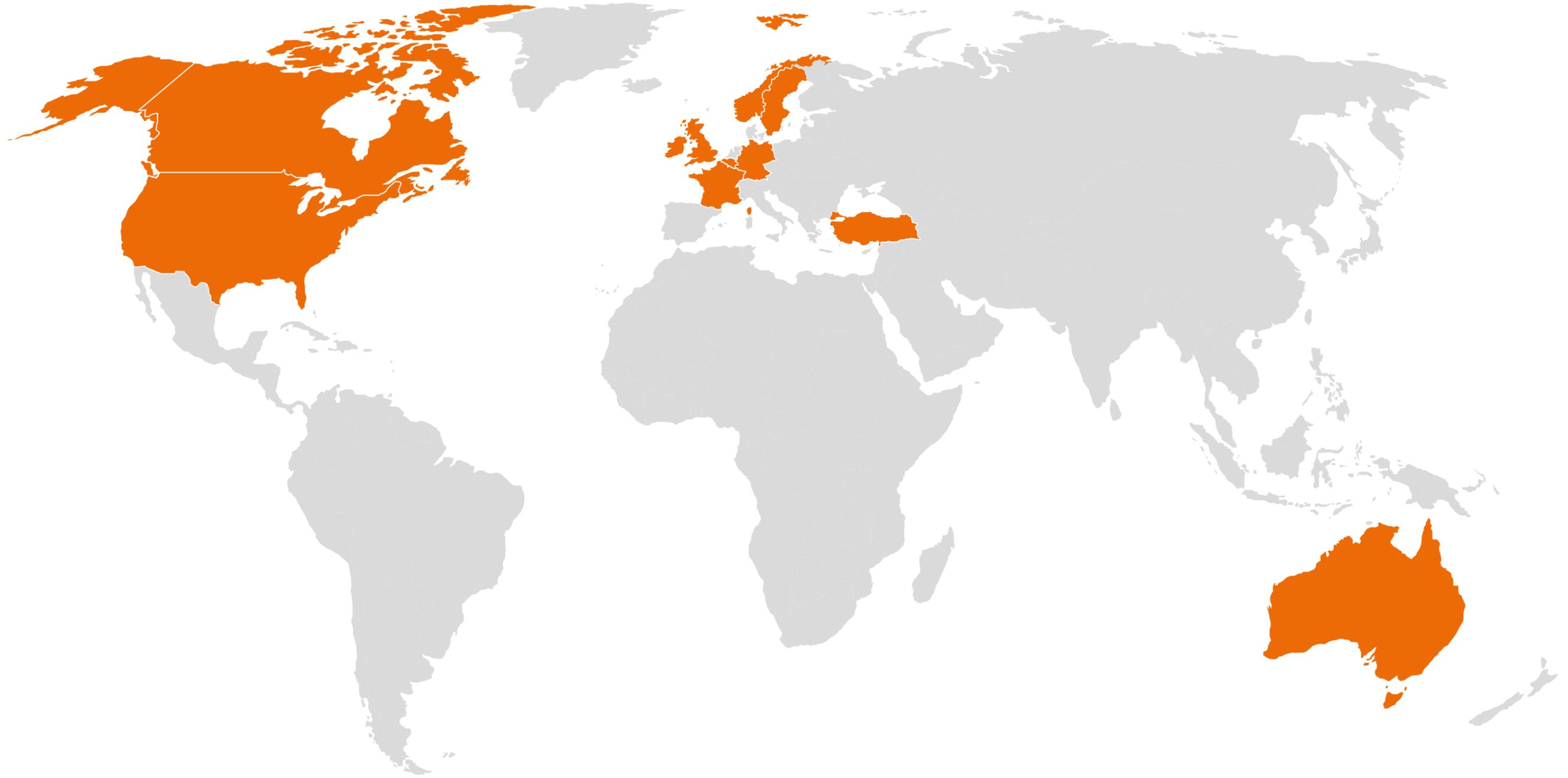




Offshore wind services

Supporting the offshore industry
for over 30 years



23 GIGAWATT
PROJECT
PORTFOLIO

9 GIGAWATT OF
OPERATIONAL ASSETS
SUPPORTED

1.5 GIGAWATT
CORPORATE PPA
CONTRACTS SIGNED

TECHNOLOGIES



WIND



SOLAR



STORAGE



TRANSMISSION
& DISTRIBUTION



GREEN
HYDROGEN



OVER 40 YEARS EXPERIENCE

RES is the world's largest independent renewable energy company boasting a long history and broad base of experience in offshore wind, having been involved in the sector since its beginnings in the 1990's. RES employs more than 2,500 people and is active in 11 countries across three continents.

At the forefront of the industry for 40 years, we have delivered more than 23GW of renewable energy projects across the globe and support an operational asset portfolio of 9GW worldwide for a large client base.

As an experienced offshore developer, RES has a deep understanding of the technical, commercial, and operational challenges presented by offshore wind. RES' experience is available to support companies developing, constructing, and operating offshore wind projects.

We offer a range of O&M and consultancy services delivered via our experienced teams and supported by our 24/7 state-of-the-art control centre.

-  Operations & Maintenance
-  Engineering & Technical expertise
-  Control Centre
-  HV Services
-  Development & Construction support

Balance of Plant

OFTO

Subsea

Floating Wind

DID YOU KNOW?

RES' first offshore projects were the Lynn and Inner Dowsing Wind Farms (194MW) in the UK consented in 2003.

DEVELOPMENT & CONSTRUCTION SUPPORT

Our experience as an owner, client, contractor and designer - developed through the UK Rounds 1, 2 and 3, and also in the development of projects in Northern Ireland and France - gives us a deep understanding of the whole project lifecycle. We have a wealth of knowledge and can support you with site selection, consenting, concept selection, FEED, detailed design, procurement and construction.

RES is able to keep sight of the bigger picture, carefully balancing safety, cost, risk and opportunity to find the optimum solution for your project. We can provide consultancy services to support and resolve particular technical challenges, or work as a fully integrated member of your project team.

RES has an excellent track-record of identifying innovative solutions to problems that reduce risk, cost and allow projects to progress - it's in our DNA.

DEVELOPMENT

- » Site selection / appraisal
- » EIA management services
- » Post-consent compliance management services
- » Due diligence
- » Wind modelling & energy yield analysis
- » O&M strategy / OPEX modelling
- » Structural design & civil engineering
- » Geotechnical & geophysical engineering / surveying
- » Front end engineering design
- » Design, CAD, 3D modelling

CONSTRUCTION

- » UXO risk management
- » Cables
- » WTG package management
- » Interface management
- » Project Management & Engineering
- » Procurement support

DID YOU KNOW?

RES developed the St Briec Wind Farm (496MW) in Brittany, France in a JV with Iberdrola.



OPERATIONS & MAINTENANCE

We are at the forefront of the digital revolution, using AI and machine learning to find new ways to truly maximise the potential of renewable assets. Our client-focused approach improves generation through optimising performance and reducing downtime to increase net asset value in the longer term.

By leveraging our 24/7 state-of-the-art control centre to provide balance of plant (BoP) services, including the associated offshore transmission owner (OFTO) assets, we will work with you to ensure that we maximise the performance of your assets and we have the in-house expertise to deliver it.

With our years of experience as a developer and operator of renewable assets, we have built up a highly skilled team of engineers and technical specialists providing first-class operations and maintenance services for asset managers and owners.

We know solutions need to be tailored to meet your needs which is why RES offers O&M services under long-term contracts as well as standalone services for individual projects.

Services include:

- » OFTO/Transmission services
- » Balance of Plant (BoP) / foundation inspections
- » HV maintenance
- » Statutory inspections
- » Subsea inspections & surveys
- » Met mast maintenance
- » Data management
- » Vessels and remotely operated vehicle (ROVs)
- » Marine coordination & weather forecasting

DID YOU KNOW?

RES currently provides O&M services to six OFTOs in the UK.



ANALYSIS & OPTIMISATION

RES is unique in offering a complete operational data analysis and condition monitoring service, tailored to the needs of our clients.

Our edge lies in our unrivalled experience and technical expertise. Using our industry leading, in-house developed diagnostic tools, we analyse all sources of wind farm data with the joint aims of increasing revenue and maintaining asset value.

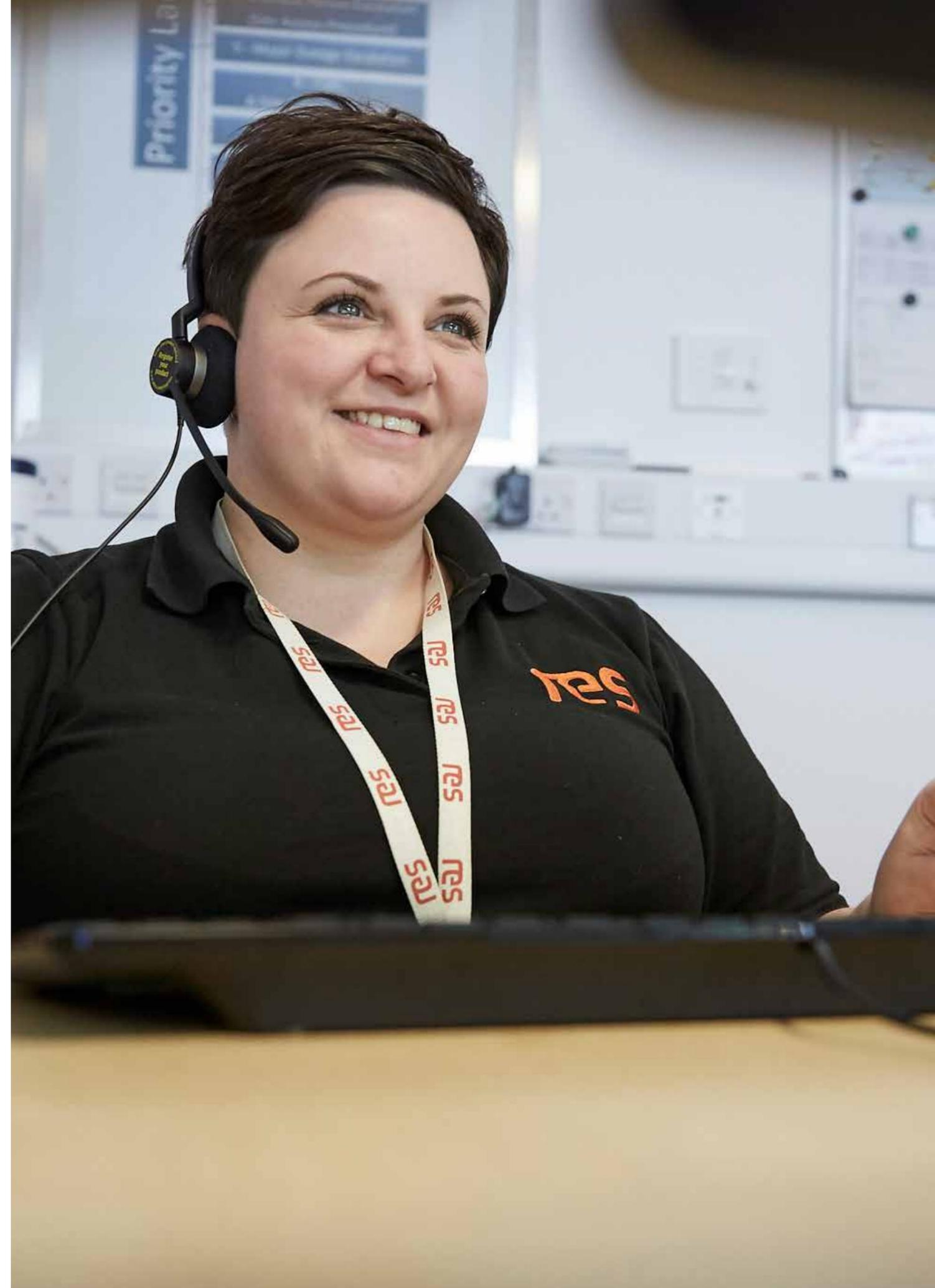
By using machine learning and creating algorithms to find specific component failures, combined with our 24/7/365 control centre, we can proactively schedule maintenance at the most opportune times and limit downtime.

We are well placed to deliver offshore wind solutions to keep the world energised

HIGH VOLTAGE SERVICES

From substation, inverter station and turbine, to managing the integrity of the high voltage system and life cycle, RES has extensive experience in providing cost effective solutions that guarantee greater reliability of the electrical supply, whilst delivering economies to site.

With over 30 years' experience in the offshore wind industry, we are well placed to provide Offshore Wind HV solutions to our client base.



FOR MORE INFORMATION:

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