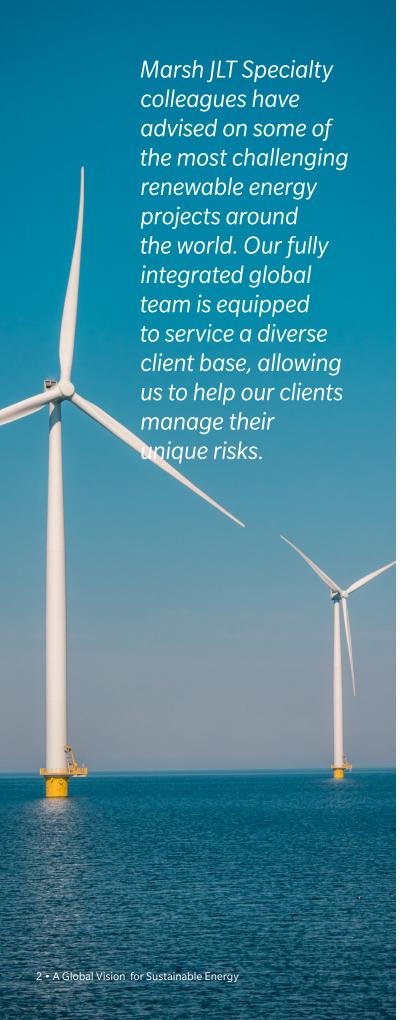
MARSH JLT SPECIALTY

RENEWABLE ENERGY

A Global Vision for Sustainable Energy







The ongoing energy transition depends, in large part, on decarbonization and reduced carbon emissions. Independent power generators, utilities, investors, governments, and consumers are all looking for opportunities to move away from the consumption of fossil fuels towards cleaner, renewable forms of energy.

Technological developments, competitive supply chains, and improving economies of scale are expected to continue to reduce the costs of renewable energy, positioning it to lead the global electricity sector transition. The International Energy Agency (IEA) projects that by 2025 renewables will become the largest source of electricity generation worldwide, surpassing coal and generating more than one-third (33%) of total electricity needs.

These advancements, however, are not without risk. Marsh JLT Specialty is supporting the energy transition, helping industry participants and investors better understand and transfer risks while reducing volatility. Our global team of renewable energy specialists take a consultative approach, working with our clients to deliver risk and insurance solutions that are tailored to meet the needs of each project.

Designing Solutions That Reduce Volatility

Marsh specialists have a deep understanding of the complex factors that affect the industry. This means we can work with investors, independent lender advisors, developers, owners, operators, suppliers, and other project stakeholders of all sizes, across all industry classes.

The energy transition, and the urgency to decarbonize, are fueling growth in renewable energy and distributed generation. The IEA estimates that, on a global level, electricity generation from renewables will expand by close to 50% in the next five years, reaching almost 9,745 TWh by 2025 — equivalent to the combined demand of China and the European Union.

As renewable energy expands globally, extreme weather events continue to increase in frequency and severity, exposing projects to heavy seismic activity (tsunami and earthquakes) and natural hazards (windstorm, flood, hail, and severe convective storms). These test the robustness of design and installation methodologies, resulting in greater risk to project stakeholders.

HAZARDS

Increasing scale and the rapid pace of development in technologies will require detailed analysis of risk allocations in supply and installation contracts and new approaches in risk financing.

Renewable energy projects are subject to public scrutiny, potential legal challenges, and Environmental, Social, and Governance (ESG) regulations. Developers must be well-informed about regulatory frameworks and ESG guidelines, as governments will likely seek to balance these risks against the benefits of decarbonization.

TRANSITION

TECHNOLOGY

SUPPLY
CHAIN

S:7

PARTITION

TECHNOLOGY

SUPPLY
CHAIN

chains can have a positive impact on the levelized cost of energy (LCOE). Renewable energy projects face several challenges, including:

Established and reliable supply

- Uncertainty over which projects will be built and when.
- The concentration of key minerals in areas with heightened geopolitical risk.
- Pressure to support local contractors when international options may be less expensive.

Financing for a renewable energy project may depend on its eligibility for investment tax credits or production tax credits. Where a project does not fit within the scope of legislation or IRS safe-harbor guidance, tax insurance may provide energy companies with the certainty required by their capital providers.

From major oil and global utilities to large retail and technology companies, the drive to diversify their business and transition from traditional fuels to increasingly distributed renewable sources will continue to increase and put pressure on operating margins.

ENTRANTS

A Specialist Approach to the Renewable Energy Insurance Market

While all projects need insurance, Marsh JLT Specialty's global team of renewable energy specialists understands that structuring risk transfer the right way can protect the project and improve your business. We also know that an integrated and collaborative approach can deliver maximum value.

Each Marsh JLT Specialty service team is led by renewable energy insurance specialists who are supported by colleagues with backgrounds in engineering, underwriting, claims adjustment, and renewable energy project management. Our approach uses credible data and tailored analytics, while our embedded consulting capabilities allow our clients to better assess their risks, and consider their risk transfer options.

We support clients through the project lifecycle by delivering:



Support in negotiations with lenders and joint venture partners to agree on coverage requirements.



Detailed risk analyses, including consideration of risk appetites and risk profiles to help ensure that any risk mitigation and transfer strategies are designed to meet project needs.



Engineering and consulting services that consider estimated maximum loss scenarios, loss mitigation strategies, and insurance limits to minimize volatility of risk and pricing.



Access to insurance market capacity from traditional, renewable energy, and alternative specialty insurance markets to promote competition and develop appropriate coverage options.



Specialist broking services to build customized, cost-effective insurance programs.



Knowledge-based service designed to educate and strengthen your team, and your risk position.



Advice and guidance from renewable energy claims specialists who can help to maximize indemnity in the event of a loss and review policy wordings in the context of the changing landscape.

Marsh JLT Specialty has a proven track record of delivering innovative solutions for clients in this challenging sector. The Marsh JLT Specialty renewable energy team has over 30 dedicated US colleagues and a global network of over 100 colleagues.

Our team sourced more than \$4.5 billion in tax credit insurance limits for our renewable energy clients in the past two years, helping developers and capital providers proceed with renewable energy projects while addressing tax considerations.

In the US, our team of specialists:

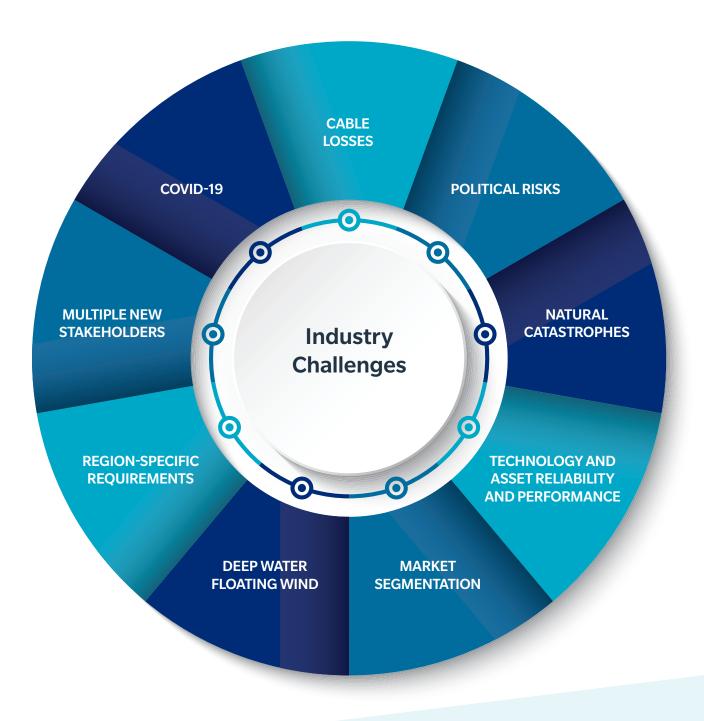
- Serves 17 of the top 25 renewable energy companies by zero-emission generation.
- Supports clients who own or are installing over 42 GW of wind generation, 32 GW of solar generation, and over 90 GW of clean energy.

"To succeed, the renewable industry needs a risk advisor that can combine practical experience, local expertise, and global resources to deliver continuous and innovative risk management advisory and risk capital allocation strategies that will accelerate development, create lasting partnerships, and support a sustainable future for our clients, colleagues, and communities."

Michael Kolodner, US Power & Renewable Industry Leader



The changing marketplace presents an opportunity for organizations to explore innovative solutions — which our team of specialists is uniquely positioned to deliver.



Our globally coordinated team of more than 100 colleagues is structured across eight geographical hubs to ensure that clients have access to the right expertise, regardless of their location.



To learn more about our approach, contact your Marsh representative or contact:

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