

Advancing nuclear power for clean energy transition

Supporting the safe, bankable and insurable deployment of nuclear energy



Why Willis and our expertise?

Nuclear power and the clean energy transition

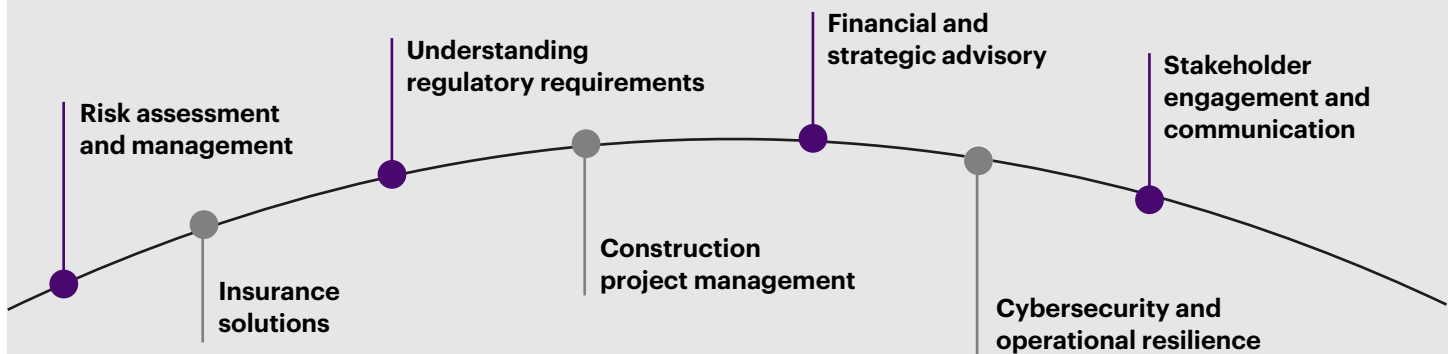
Nuclear power plays a critical role in the clean energy transition by providing reliable, low-carbon electricity that supports global decarbonization goals. Advanced nuclear technologies offer the potential for faster, more cost-effective deployment, while future innovations such as fusion may further expand clean energy capabilities. As a stable, dispatchable power source, nuclear complements renewable energy, strengthens grid reliability and enhances energy security by reducing dependence on fossil fuels and exposure to volatile energy markets.

Overall, by leveraging its multidisciplinary expertise, Willis can support the safe, efficient and successful realization of the clean energy transition, whilst also helping to drive innovation and sustainability in the construction, energy and technology sectors.



Nuclear capabilities and expertise

Willis is positioned to play a critical role in the reemergence of nuclear power, including the development and deployment of nuclear-powered AI data centers. Here's how Willis can contribute:



Nuclear advisory and risk control services

WTW provides specialized nuclear advisory and risk control services to support developers, investors, utilities, contractors and technology providers across the entire nuclear lifecycle. Combining expertise in nuclear risk, insurance markets, project finance and large-scale infrastructure, we help clients navigate licensing, financing, construction, operational and risk transfer challenges.

Our services are tailored to each project's unique technology, regulatory pathway, financing structure and stakeholder requirements, helping improve insurability, enhance bankability and strengthen project resilience from development through commercial operations.

Program design advisory and risk strategy

- Support development of a comprehensive nuclear risk-transfer strategy aligned with project specific expectations, licensing pathways and construction-phase risk allocation
- Advise on insurance requirements for Engineering, Procurement and Construction (EPC) contracting, technology licensing, supply-chain risk, transportation of nuclear components and federal indemnification frameworks
- Identify insurance market constraints and opportunities, including coverage and capacity availability and emerging specialist markets
- Recommend appropriate lines of coverage, limits, deductibles and phasing for pre-construction, construction, hot-commissioning and early operations
- Advise on insurance structure and market considerations related to transition of assets from U.S. Department of Energy (DOE) to U.S. Nuclear Regulatory Commission (NRC) licensing structure
- Advise on insurance structure and market considerations related multi-site and/or multi-unit ("Fleet") deployments

Financial agreement and contract review (insurance-related terms)

- Review financial agreements, term sheets and project-finance contracts (including sponsor equity, EPC agreements, Operations and Maintenance (O&M) agreements and supply contracts) for provisions impacting insurability
- Evaluate insurance-related covenants required by lenders or DOE-EDF (e.g., builder's risk, delay-in-startup, nuclear liability, cyber, marine cargo, professional liability)
- Recommend revisions to insurance-related clauses to ensure feasibility, market compliance and alignment with nuclear-industry norms
- Provide written commentary summarizing insurance risks, gaps and suggested lender-acceptable language

Insurance market engagement ("Roadshows")

- Organize and facilitate insurance market roadshows with domestic and international insurers active in nuclear, infrastructure and large-project construction
- Support curation and distribution of presentation package describing the technology, project execution model and risk mitigations for market review
- Organize and facilitate insurer Q&A sessions, clarifying technical, schedule and risk-mitigation details to build underwriting confidence
- Document insurer feedback, appetite, capacity signals and key concerns requiring developer attention

Technology due-diligence support for insurers

- Support insurer technology-due-diligence reviews by coordinating meetings between the developer's engineering, licensing and operations teams and insurers' technical specialists
- Advocate for the technology, ensuring insurers understand licensing bases, safety claims, passive safety features, quality programs, supply-chain maturity and performance guarantees
- Provide insurers with curated technical documentation, including safety-analysis materials, probabilistic risk insights and third-party engineering reviews (as appropriate for public release)
- Summarize insurer technical concerns and develop mitigation strategies to enhance bankability and market support



DOE and office of Energy Dominance Financing (EDF) engagement support

- Coordinate closely with DOE on insurance-related components of the licensing and/or loan-guarantee process
- Prepare insurance program descriptions suitable for inclusion in DOE submission materials, including builder's-risk, nuclear liability, marine cargo and DSU structures
- Respond to DOE requests for information (RFIs) regarding insurance markets, underwriting constraints or coverage availability
- Support negotiations with DOE regarding insurance covenants, including minimum coverage requirements, limits, deductibles and acceptable market capacity
- Provide DOE with evidence of broker engagement, market-soundings and insurance-program feasibility to support DOE's independent risk assessment

Broker certification letters

Prepare and issue broker certification letters, including:

- Confirmation of market engagement
- Confirmation of insurance availability and indicative capacity
- Certification of alignment with DOE insurance requirements
- Insurance feasibility statements for project-finance submissions

Ongoing project support and advisory

- Participate in regular project-risk meetings with the developer, EPC and advisors
- Deliver quarterly insurance-market updates specific to nuclear and large-project construction
- Advise on supply-chain risk and contractor insurance compliance, including audits of vendor policies and certificates
- Advise on and support transitions from construction to operational insurance programs, including nuclear liability, property damage and business-interruption placements
- Provide ad-hoc trainings on nuclear property and nuclear liability insurances
- Understanding nuclear property insurance requirements
- Understanding nuclear liability insurance requirements

Nuclear risk control advocacy (pre-construction, construction, operations)

- Evaluation support services
- Risk quantification
- Hazard identification and risk analysis
- Loss scenario development
- Insurer loss control standard compliance
- Property valuation
- Fire protection program review
- Boiler and machinery program review
- Review of recovery strategies
- Assist with the design of resilient strategies to maintain business continuity in operations and recover quickly from disruptions
- Offer specialized services to enhance the cybersecurity posture and protection against cyber threats

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