Example of Quantitative Risk Job Description

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Our growing company is searching for experienced candidates for the position of quantitative risk. To join our growing team, please review the list of responsibilities and qualifications.

Responsibilities for quantitative risk

- Track and maintain current financial model inventory
- Assist with model validations
- Establish and maintain effective partnerships with model owners, model users, regulators and auditors (internal/external)
- Developing, refining, maintaining and supporting models and methodologies of the risk management of asset classes from a quantitative perspective
- Provide expertise on the conceptual soundness of valuation engines and its suitability for capturing risks adequately
- Manage, develop and maintains portfolio macro analysis quantitative models to inform on business health and support decision making and risk management (Earnings at Risk, Value at Risk)
- Lead discussions with various internal departments to understand new energy transactions and their impact on the portfolio, share technical advice, best practices to understand and challenge business decisions, when appropriate
- Develop quantitative models for portfolio and transaction stress testing and scenario analysis
- Identify, evaluate, measure and monitor valuation models for derivative and structured transaction including energy full requirements and load following contracts, vanilla and exotic options, natural gas storage and transportation spreads, Asset Management contracts, interest rate, renewable energy and other non-standard transactions
- Develop quantitative methods, analyses and tools that support senior management decision making, ERM consolidation models, Market and Credit

Qualifications for quantitative risk

- Development of IFRS9 modelling through enhancing existing credit risk models or building new models that will measure expected loss across retail and small business clients
- Assisting in the development and maintenance of analytics tools to calculate credit risk ratings, loss estimates, risk weighted assets and capital requirements across retail and wholesale products
- Knowledge of Supervisory Guidance on Model Risk Management SR 11-7
- Deep knowledge in credit models
- 5 years experience in credit risk area
- Ability to simplify and communicate technical concepts to other parts of the organisation