Structural Engineer: Chief Engineer

Analyzes, researches and develops structural engineering specifications involving metals and non-metallic or composite structural materials for product design. Develops specifications for operation of product to include structural, mechanical, hydraulic, electrical, power plant, armament, heating and ventilating equipment and maintenance designs. Analyzes damage tolerance, durability, design allowables and structural modeling. Specific structural engineering specialties may include dynamics and loads, stability and stress fatigue and thermal analysis. Tools utilized may include CATIA, IDEAS, ProEngineer and a variety of software applications.

Discretion/Latitude
Acts with Business Areas in an engineering leadership capacity to uncover and resolve issues associated with the development and implementation of operational programs and business pursuits. Identifies, recommends and aligns R&D programs and technological applications to accomplish long-range business objectives. Develops and maintains the Business Area Technology Roadmap. Work is checked only to the effectiveness of results obtained, typically from a short-term perspective for operational issues and longer-term perspective for technology alignment to Business Area strategies.

Knowledge, Skills, & Abilities
Exhibits an exceptional degree of ingenuity, creativity, resourcefulness and technical leadership. Applies and/or develops highly advanced technologies, scientific principles, theories and concepts to meet the needs of the Business Area. Viewed as a leading expert in applying technology and solving operational issues in support of the Business Area's objectives. Establishes long-range marketing plans and technology Roadmaps for the Business Area's products and services by identifying, analyzing, and developing new business opportunities. Establishes customer contacts, develops proposals, and delivers technical marketing presentations. Cultivates and maintains relationships with key decision makers.

Problem Solving
Applies technological and engineering leadership skills in the achievement of the Business Area's operational and strategic goals. Applications may be diverse and include newly developed concepts, theories and products, or engineering disciplines.

Impact
Sets the technological direction for the Business Area and corrects the course of errant technological direction when warranted. Erroneous decisions or recommendations would have a long-term negative effect on the organization’s reputation and business posture. Leads development and implementation of key programs and/or processes for the Business Area.

Liason
Serves as consultant to Business Area top management in long-range company planning concerning new or projected areas of technological research, advancements and current program technical performance. Prime spokesperson on Business Area's technical capabilities and future directions. Often instrumental in attracting and obtaining major new company business.

Minimum Education and Experience
20+ years of broad and extensive professional experience with a BS in Engineering or a related field. Employees usually have advanced degrees in engineering.