

Industrial Engineer: Sr. Principal Industrial Engineer

Analyzes and designs sequence of operations and work flow to improve efficiencies in plant and production facilities and equipment layouts; and establishes methods for maximum utilization of production facilities and personnel. May establish or assist in establishing accident prevention measures and may manage training programs for personnel concerning all phases of production operations. Conducts studies pertaining to cost control, cost reduction, inventory control, and production record systems. On the basis of these studies, develops and implements plans and programs for facility modifications and revisions to operating methods. May assist facilities engineers in the planning and design of facilities.

Discretion/Latitude

Works under consultative direction toward predetermined long-range goals and objectives. Assignments are often self-initiated. Determines and pursues courses of action necessary to obtain desired results. Work checked through consultation and agreement with others rather than by formal review of superior.

Knowledge, Skills and Abilities

Applies advanced technical principles, theories, and concepts. Contributes to the development of new principles and concepts. Widely recognized for achievements, technical expertise and meritorious standing within professional field. Identifies, analyzes and develop new business opportunities. Establishes customer contacts, conducts researches and analysis into their future plans and needs, assists with the development of their specifications, develops proposals, and deliver marketing presentations.

Problem Solving

Works on unusually complex technical problems and provides solutions that are highly innovative and ingenious.

Impact

Develops advanced technological ideas and guides their development into a final product. Erroneous decisions or recommendations would typically result in failure to achieve critical organizational objectives and effect the image of the organization's technological capability. Functions in a program leadership role. Plays a key role in implementing programs/projects and makes significant contributions to department goals and overall functional strategic planning efforts.

Liaison

Serves as organization spokesperson on advanced projects and/or programs. Acts as advisor to management and customers on advanced technical research studies and applications. Often instrumental in attracting and obtaining major new company business.

Minimum Education and Experience

15+ years with BS in designated Engineering or related field. Employees usually have advanced degree in field of specialization.