



## ASSET MANAGEMENT

HukariAscendent can provide a highly talented, seasoned resource base to help the commercial nuclear industry optimize its major capital investment in equipment, systems, and components through the implementation of an integrated Asset Management Program. The industry's large investments require that each plant be operated and maintained to economically attain the highest plant capacity, performance, reliability, and safety. An effective asset management program provides the information, guidance, and action initiation plant managers need to optimize operations, maintenance, and capital improvements to provide the greatest economic return on investment. HukariAscendent will apply a best practice approach which includes systematic attention to the full range of critical systems, equipment, and components; as well as related future trending of indicators of potential performance failure. This approach results in a more complete basis for prioritized action so that the proper steps are performed at the right time. This program will result in proper focus and a broad range of potential benefits including:

- High-level, sustainable plant availability
- Reduced outbreaks of unanticipated downtimes, including those related to safety equipment
- Reduced maintenance and manpower costs
- Single source of plant information being shared by many organizations
- Accelerated turnaround of component health condition assessments
- Auditable and repeatable manner of determining action decisions
- Enhanced assessment and utilization of information available and collected

- Reduced burden on utility staffs
- Enhanced usefulness of currently deployed Computerized Maintenance Management System (CMMS) or other enterprise management investments
- Proper focus and ordering of plant actions
- A systematic approach to reliability and work management including risk and prioritization considerations

HukariAscendent nuclear specialists have hands-on experience in technical assessment areas including design, engineering, technology solution applications, and program integration at commercial nuclear power plants. We also support areas such as transition management assistance and training for key utility staff implementers. The result will be an accelerated acceptance and time frame to reach the full value of asset management efforts.

HukariAscendent can leverage experience in the following key areas to help optimize asset management solutions:

- Nuclear reactor systems, components, and equipment design and analysis
- Reliability engineering
- Maintenance engineering and planning
- Work control
- Inspections and testing
- Failure analysis
- Risk assessment
- Condition reporting
- Aging management
- Equipment performance monitoring
- CMMS technologies
- Procedures and work process development
- Training
- Commercial nuclear plant operations
- Safety evaluations
- Technical assessments
- Licensing of operating fleets and new reactor designs