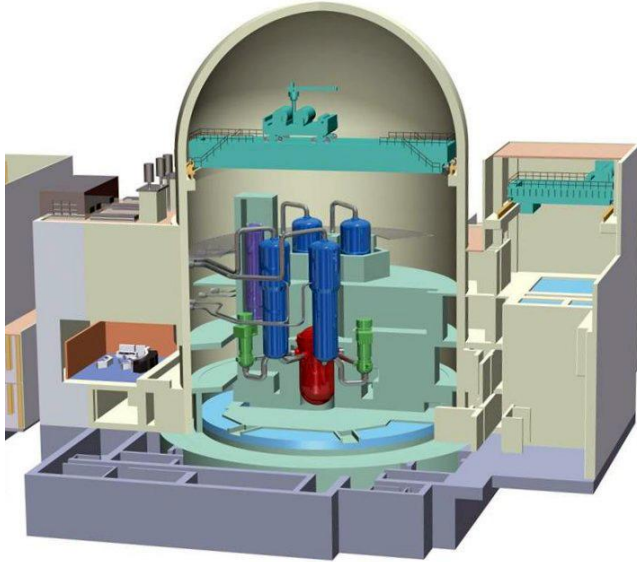




LICENSING



New Facility Licensing Support

HukariAscendent is a leader in providing licensing support to new nuclear facilities including:

- New reactor combined construction/ operating license applications (COLA) development and maintenance
- Environmental permitting (Environmental Impact Statements)
- Licensing and design basis documents
- NRC licensing communications
- Regulatory compliance
- Nuclear Materials Control and Accountability Programs
- Medical Isotope production facility licensing

Operating Nuclear Power Plant Support

HukariAscendent personnel have the experience and expertise to support operating nuclear power plant licensing requirements. We help maintain and update existing licenses to achieve client goals and regulatory compliance. Experience includes:

- NRC inspection interface

- Regulatory compliance
- Standard Technical Specification development and maintenance
- License renewals
- Plant capacity improvement/power uprate licensing
- Generic communication evaluation/ response
- FSAR maintenance
- Licensee Event Reporting
- Notice of Violation/corrective action development/documentation

Nuclear Power Plant and Production Facility Decommissioning Support

HukariAscendent licensing personnel support the commercial nuclear industry in reactor decommissioning and fuel cycle facility decommissioning licensing. HukariAscendent personnel play important roles in developing innovative solutions to D&D challenges.

HukariAscendent licensing experience includes:

- D&D licensing
- ISFSI licensing
- Final Status surveys to support license termination processes

The HukariAscendent resource base includes personnel who can support successful, timely interaction with regulatory staff. Related experience of our resources includes development of communication plans, presentations to NRC staff, development of responses to formal NRC requests for information, answering third party interrogatories, development of testimony in support of hearings, and interactions with the public. We also have experience in the project management of licensing activities in a wide variety of regulatory and technical arenas.

Project Performance and Customer Satisfaction

At **HukariAscendent**, we recognize that it is not only our reputation that is on the line, but that of our clients as well. Our corporate mission is to provide only the highest quality service and long-term value to our customers through well-defined, proven methodologies and experienced, dedicated, and innovative staff. Our mission success is affirmed by the satisfaction expressed by our customers (sites and companies).

Black & Veatch · URENCO · Duke Energy ·
Shaw–AREVA MOX · AREVA NP
CH2M Hill International Limited
Arizona Public Service · Xcel Energy
Energy Northwest · Shine Medical Technologies
MNES

Operating Plant Licensing Support – Duke Energy -

HukariAscendent is providing support for licensing and FSAR update process including review of all types of licensee documents having the potential to affect the FSAR (i.e., license amendments, generic communications, new/revised regulations, modifications, and procedure changes). We are conducting thorough reviews of the relevant documents and correspondence, and preparing the required changes to the FSAR according to the Licensee's procedures, regulatory requirements, and guidance documents as appropriate (Regulatory Guide 1.70, Nuclear Energy Institute 98-03). We provide complete documentation of findings and the bases for the required FSAR changes. Internal **HukariAscendent** controls include a formal work process structure specifically for performing FSAR updates as well as internal oversight of work being accomplished.

Operating Plant Licensing Support – APS, Xcel Energy, Energy NW

HukariAscendent licensing support to the PVNGS, Prairie Island, Monticello, Columbia including preparation of license amendment requests, technical specification changes, Fukushima required modifications, NFPA-805 compliance, UFSAR maintenance, regulatory compliance, and other activities typical of an operating nuclear power plant.

Engineering, Nuclear Safety, and Licensing Support – URENCO National Enrichment Facility (NEF) -

HukariAscendent licensing support includes:

- Lead/supervisory role in the NEF Licensing Department
- Prepared, submitted, and received NRC approval for multiple amendments
- Supported the development of the Criticality Safety Program in compliance with regulatory requirements and license
- Developed the Fundamental Nuclear Material Control Plan and implementing procedures
- Assisted with the design of measurement facilities and equipment
- Prepared Quality Level-1 nuclear safety calculations in air dispersion modeling, source term development, and post-accident leak rates from natural phenomena events to support the development of license amendment requests

- Developed procedures include nuclear material physical inventories, nuclear material shipments and receipts, nuclear material measurements and measurement control, and statistical analysis to ensure compliance with NRC regulations

New Plant Licensing Support – AREVA NP and MNES

HukariAscendent is supporting AREVA NP and MNES in the design certification of the US-EPR and APWR (respectively). Our support includes developing reactor FSAR content, responding to NRC requests for information, preparing client COLA material such as FSAR and Environmental Report content consistent with the requirements of 10 CFR 52 and Regulatory Guide 1.206.

New Plant Licensing Support - Black and Veatch

HukariAscendent provided licensing support in the development of several new reactor COLA applications. We managed the compilation of site characterization activity documents addressing key parameters for use in the development of the Environmental Report of the COLA license application. We provided oversight and review of COLA sections developed by other organizations. Review includes compliance with the requirements of 10CFR 52 (Early Site Permits; Standard Design Certifications; and Combined Licenses for Nuclear Power Plants), Regulatory Guide 1.206 (Combined License Applications for Nuclear Power Plants), and NUREG 0800 (Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants). **HukariAscendent** experts also ensured that the Reference Reactor Application (R-COLA) is properly utilized in producing site specific (S-COLA) submittals.

Licensing Support - Mixed Oxide (MOX) Fuel Fabrication Facility (MFFF) Design Project

HukariAscendent's licensing and engineering services support included combined DOE/NRC facility licensing, design review, safety analysis and Safety Basis document development, and Failure Mode and Effects Analysis (FMEA).

Licensing and D&D Support - Hematite Fuel Fabrication Facility D&D

HukariAscendent provided licensing, remediation, and D&D support, including the technical licensing lead, for facility decommissioning.

Licensing and Engineering Support – Medical Isotope Production

HukariAscendent provided safety analysis, licensing and engineering support to the Shine Medical Technologies advanced MO-99 production facility project.