

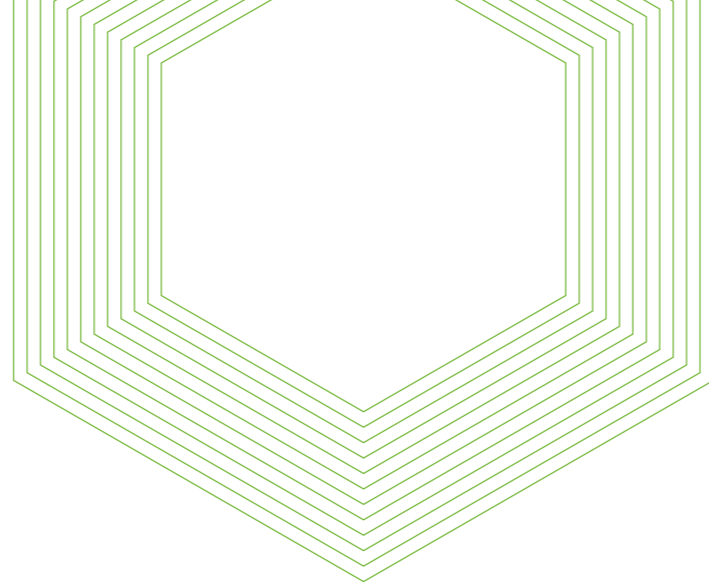
Digital Optimization Solutions

Delivering Lifetime
Operational Excellence



OPTILIFE™





PROVEN VALUE

OPTILIFE™

As a strategic partner, we offer utilities access to our innovative data and analytics-powered OptiLife™ products and services suite to improve and maximize plant performance and deliver ongoing and consistent nuclear energy to the communities they serve.

OptiLife™ seamlessly aggregates information from nearly 200 international power plants, including PWR, BWR, VVER, CANDU and AGR to deliver robust insights from global data. Westinghouse engineering experts then apply proprietary analytics and Artificial Intelligence (AI) capabilities such as the Westinghouse HiVE™ AI System to develop real-time predictions and suggestions from this data. Our comprehensive visualizations then generate actionable insights across the plant. Continue reading to learn how OptiLife delivers value through **plant reliability optimization, enhanced procurement engineering, inventory analytics, and digital work management.**

- ✓ **Improve Plant Reliability**
- ✓ **Enhance Resource and Process Efficiency**
- ✓ **Maximize Plant Performance**



38% Cost Savings

We immediately reduce a utility's annual procurement engineering costs with historic savings of more than \$500,000 annually

IMMEDIATE SAVINGS OPPORTUNITIES

- \$9.30M** in one-time online maintenance savings
- \$600K** in annual procurement engineering cost reduction
- \$720K** in total maintenance savings (after outage scope freeze)



Time Savings

- 3,937** outage maintenance hours eliminated (after outage scope freeze)
- 57,000** maintenance hours saved (over 4-year window)
- 96%** reduction in manual procurement engineering requests
- 17%** reduction in administrative deliverables produced by procurement engineers



Plant Reliability Optimization (PRO)

HiVE™
AI System delivers superior maintenance optimization with proprietary machine learning models

When nuclear utilities partner with Westinghouse, they immediately gain an industry-leading **preventive maintenance program** based on deep engineering expertise, advanced data analysis and a world-class nuclear-specific HiVE™ AI System. Ongoing technical support for plant maintenance and operations comes built into the partnership, too. Our data-focused approach provides consequence-biased preventive maintenance strategies to our customers. And through industry PM data and best practices, Westinghouse can efficiently benchmark a site's preventive maintenance program to ensure the right work gets done at the right time on the right equipment. Our OptiLife™ products and services suite drives incredible maintenance optimization. OptiLife™ eliminates unnecessary maintenance, automates manual tasks, frees up significant engineering time, reduces material costs and provides peace of mind by reducing unexpected failures.

Products & Services

- 50.69 Alternative Treatments for EQ, IST, ISI, LLRT PMs and Programmatic Implementation
- AP-913 Classification/Reclassification and SPV Identification
- PM Optimization for Outage, Online, and Targeted Scopes
- Surveillance Test Interval Extension Support
- Application of Condition Based Maintenance Strategies, Collaborating with Predictive Monitoring
- ERMS (Equipment Reliability Management System)

Customer Benefits

- Maximize Plant Reliability & Obsolescence Management
- Augment your Team with Experienced Westinghouse Experts
- Leverage Industry Use Cases

\$30M
Life of plant savings from fleet 50.69 alternative treatments

Annual \$2M
Savings in reduced outage preventive maintenance activities

Enhanced Procurement Engineering (EPE)

HiVE™
AI System delivers streamlined procurement with advanced analytics and machine learning to optimize supplier performance, cost efficiency, and risk management

Nuclear utilities struggle to manage the overwhelming challenges in procurement engineering. Customers must juggle obsolescence, attrition, retention and wasteful spend while also solving procurement engineering challenges cost-effectively. Enhanced Procurement Engineering strategically addresses these challenges through our innovative technology and partnership approach. Let us help you supercharge your procurement engineering function thanks to Westinghouse's industry-leading data capabilities and engineering expertise.

Products & Services

- Full Programmatic Management
- Complete Procurement Engineering Deliverable Service
- Centralized Services and Support
- Supplemental Partnership Support
- 24/7 Outage & Online Support
- Item Equivalencies
- Material Masters
- Purchase Order/Requisition Support
- Code Reconciliations
- Obsolescence Program Development
- 50.69 Alternative Treatment RISC-3 Evaluations
- POMS (Proactive Obsolescence Management System)

Customer Benefits

- 300,000+ Obsolescence Solutions in POMS
- Procurement Engineering Support at Scale
- 38% Reduction in Procurement Engineering Spend
- 96% Reduction in Non-Value Add Contingent Work

50%
of the energy utility workforce will retire in the next 10 years

235K+
Part challenge solutions across the nuclear industry

35%
of installed equipment is obsolete

Inventory Analytics (IA)

HiVE™

AI System delivers enhanced inventory management by leveraging advanced analytics and machine learning to optimize stock levels, reduce costs, and improve operational efficiency.

Inventory Analytics further completes the value chain of optimization solutions by ensuring the insights gained from Plant Reliability Optimization and Enhanced Procurement Engineering result in having the correct parts and services at the right time.

Nuclear utilities are challenged to establish sustainable and reliable inventory strategies in the face of lead time issues, lack of work demand visibility, isolated/disperate data, and short-handed staffs. Westinghouse is uniquely positioned to help address these challenges by applying industry-best data capabilities and engineering subject matter experts to industry and customer data to drive inventory strategy solutions.

Products & Services

- Outage Parts Vulnerability Analysis
- Work Order Parts Vulnerability & Readiness
- Bill of Material Reconstruction
- Bill of Material Reduction
- Inventory Consolidation
- Critical Spares and Single Point Vulnerability Identification
- Stocking Strategy (including Safety Stock and Reorder Points)

Customer Benefits

- Avoid costs associated with not having stock on hand for emergent issue (SPV, LCO, plant trip) – right parts at the right time
- Sustainable inventory strategy
- Reduced carrying costs and associated taxes
- Lessened administrative burden



Digital Work Management (DWM)

HiVE™

bertha GenAI model automates and streamlines work processes for increased efficiency and enhanced collaboration, ensuring seamless task execution, real-time progress tracking, and optimal resource allocation.

Digital Work Management Solutions enable organizations to improve operational efficiency, ensure compliance, and enhance team collaboration through advanced digital tools. By transitioning from traditional methods to streamlined, technology-driven processes, teams can execute tasks with greater accuracy, flexibility, and control, no matter the environment.

Westinghouse's suite of products fosters real-time communication and transparency across operations, allowing teams to stay informed, aligned, and compliant with industry standards. The result is a safer, more productive, and data-driven approach to driving continuous improvement and better decision-making.

Products & Services

- **CMIS** (Engineering Change Process and Licensing Suite)
- **PROCEED** (Computerized Procedures Solution)
- **WORKS** (Electronic Work Packages Solution)
- **AutoLog** (Digital Logbook)
- **VIEW** (P&ID Digital Overlay)

Customer Benefits

- SaaS platform providing an integrated suite of solutions to digitize and manage engineering deliverables, replacing paper-based procedures with configurable, executable digital workflows accessible anywhere.
- Streamlines workflows, enhances communication through a plant book tool, and ensures compliance with real-time error detection and tracking.
- Boosts productivity with flexible execution modes, a user-friendly design, and actionable insights from advanced data analytics.
- Simplifies regulatory audits with built-in compliance tools while reducing operational risk and improving reliability.
- Intuitive interface minimizes training requirements, encouraging adoption and seamless collaboration.



Digital Optimization Solutions

OPTILIFE™

OptiLife™ Digital Optimization Solutions delivers results to:



Improve Plant Reliability

by ensuring utilities perform what is needed, when it is needed, to maximize reliability at an optimal cost



Eliminate Resource and Process Inefficiency

by optimizing the use of limited plant resources and streamlining processes using a data driven approach



Maximize Plant Performance

by building upon improved reliability and efficiencies to improve plant output through plant monitoring services

OptiLife™ is a partnership to provide & create innovative Solutions that:



Leverage Data and Artificial Intelligence

to provide insights for better and more efficient decision-making from over 200+ nuclear units



Automate Processes and Workflows

to work smarter and more efficiently



Empower Expertise At-Scale

to address the challenges of high work-demand and headwinds of staff retention



Westinghouse

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For more information scan the QR code



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