Mitigate Risks and Accelerate Operations Across the O&G Value Chain with Acuvate's Energy Modernization Solutions

The global energy demand is increasing at an unprecedented pace. So are the complexity and opportunities of running energy businesses efficiently, seamlessly, and safely.

Today's energy and oil & gas organizations have industry 4.0 technologies at their disposal to improve uptime, overcome data and workforce silos, improve field employees' safety, and meet sustainability agendas. The future of the energy sector will be built on the foundations of a connected workforce, seamless regulatory compliances, smart asset, and expense management for high ROI, and accelerating operational efficiency with data-driven decisions.

Be a robust energy sector player in a data-first world by integrating futuristic solutions into your existing systems to modernize workflows, streamline supply-demand equilibriums and deliver consistent employee experiences with Acuvate.

The Acuvate impact
from the cubicle to the refinery

Acuvate's state-of-the-art energy sector offerings leverage the best of AI & ML, data & analytics, and cloud solutions and expertise to transform your workplace and workforce for hyper-efficient operational excellence. Our intuitive and contemporary solutions enable businesses to maximize the ROI from technology investments while creating seamless, safer, and sustainable experiences for all.

Acuvate's proven Oil & Gas impact areas

Workforce transformation

Workplace safety

Employee experience

Operational excellence

Sustainability

Far-sighted energy companies around the world partner with Acuvate to digitize paper-based, manual processes. Unlock workforce collaboration. Modernize AFE processes. Integrate modern innovation with existing ERP stack. And much more. All with the power and potential of the Microsoft-Acuvate collective.

OUR EXPERIENCE

OPERATIONAL EXPERIENCE

➢ **Digital Workplace**
- AFE Modernization
- Material Master Request Automation
- Asset Management
- Inspection Apps
- Purchase Order Management
- Customer Onboarding
- Vendor Onboarding

EMPLOYEE EXPERIENCE

➢ **Virtual Assistants**
- Knowledge Capture Assistant
- Employee Assistant – HR Bot
- Road Assistant for Drivers
- Chatbots for field assistance

➢ **Automation**
- Leave automation
- Travel expense automation

➢ **Automation**
- Shift Scheduling
- Employee Onboarding
- Modern Intranets
- Cognitive KMS
- Project Collaboration Hub
- Knowledge Capture Solutions
- Innovation Management

➢ **Worker Safety**
- Video Analytics Based solution

DATA & ANALYTICS SOLUTIONS

Improving Productivity
Through Automation & Digital apps

Reducing Risk
With Data & AI

Increasing Safety
With new-age technology solutions

Improving efficiency
By monitoring assets & facilities

Bespoke modernization solutions for the energy sector, built on the Microsoft stack
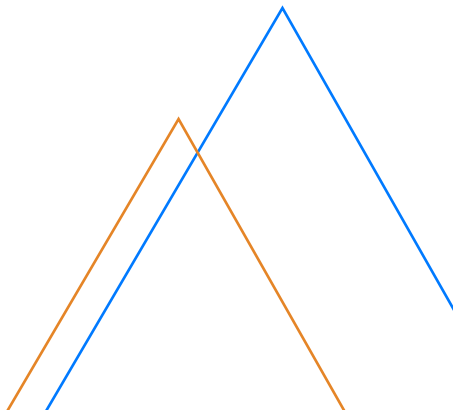
Digital Workplace Suite

An innovative platform to digitize manual paper-based processes and feed critical business information into the existing ERP systems. The solution enables businesses to keep rising costs under check with greater spend visibility and simplifies processes related to asset management, procurement, and operations.

Features

- Ready-to-use form templates to streamline work processes
- Secure approval mechanism and authentication with AD
- A mobile-ready app with offline capabilities
- Seamless integration with ERP systems and LOR applications
- Configurable Dashboard & Reports
- Audit trails & historic data availability for traceability

Benefits

- 50%-time savings
- 7X paper savings
- Integrates with existing ERP systems
- Reduction of time in approvals and purchase cycles
- Improved communication between departments

AFE (Authorization for Expenditure) Modernization

A low-code no-code PowerApps solution for smart accounting of every tangible and intangible spending against the total corporate budget. The platform enables business users to create user-defined reports and identify overspends and seamlessly trace historical AFEs they have been a part of.

Features

- Digital forms to submit AFE and dashboard view with filters

- Mail notifications when an AFE is assigned for quick action

- Automated task creation and tracking for all departments involved

- Delegation process when approver/ reviewer is on-leave or not available

Benefits

- 50%-time savings

- 80% faster response times for AFE approvals

- 7X paper savings

- 100% transparency into the AFE approval process

AFE Modernization at work

An oil and gas company digitized the AFE process with a Power Apps solution & reduced the manual effort required for approval flows by 80%

Read Case Study →

Purchase Order Management

No-code PowerApps platform to streamline and fuel enterprise growth via connected workflows and strong governance. The solution empowers businesses to realize faster innovation by modernizing the legacy and unstructured enterprise processes.

Features

- Automated task creation and tracking reminders for all departments involved

- Interactive dashboards and reports to analyze business spend

- Frictionless integration with SAP

- Search capabilities to keep tab on any past orders

Benefits

- Superior end-to-end experiences

- Reduced time and improving efficiency

- Complete visibility into the PR/PO processes

- Full traceability into the complete process flow

Purchase Order Management at work

An independent oil and gas exploration and production company digitized & automated the PR/PO process & reduced manual intervention by 70% & 100% data accuracy.

Read Case Study →

Material Master Request Automation

No-code IoT-based PowerApps platform to save time, improve productivity and zero-waste sustainability brand goals.

Features

- Streamlines operations and fuels growth

- Automated task creation, tracking and reminders for all departments involved

- Seamless integration with ERP systems

- Digitization and process automation for enhanced transparency

Benefits

- Reduced time and improved efficiency

- Superior end-to-end experiences

- Complete visibility into the MMR process

- Full traceability into the complete process flow

Material Master Request Automation at work

With Low code No Code Power Apps based solution, an oil & gas company modernized legacy MMR process with 100% traceability in the complete process & reduced effort by 70%.

Read Case Study →

Workplace Safety

An intuitive solution to reduce hazards and mitigate risks for frontline workers via predictive insights and analysis. The solution enables the health, safety, and environment teams to transform data into deep insights for proactive decision-making.

Features

- Real-time dashboard and templates for comprehensive insights into SLAs and qualifications

- Data pipelines to ingest internal and external data and identify causal factors

- Reusable common data model for HSE data

- Data Governance solution with data cataloging, lineage for HSE data sources

Benefits

- 30% reduction in operational costs

- 45% reduction in health and safety related incidents

- 2500-person day/year efforts saving via automated reporting

- Enhanced health and safety protection of offshore personnel

IoT-Based Smart Asset Management

IoT-based smart asset management platform to enable businesses to stay up to date on their assets, recovery and maintenance, problem areas and inventory management. The solution seamlessly tracks, manages, and optimizes assets to effectively measure risks and compliance.

Features

- IoT and Cloud-based technology for remote tracking of assets, from anywhere, at anytime

- Asset health monitoring to identify indicators or associated risks

- Asset lifecycle management for the comprehensive maintenance of asset records

- Predictive asset maintenance to improve asset reliability and operational performance

Benefits

- 40-50% reduction in safety incidents

- 60-70% reduction in unscheduled downtime

- 25% increase in resource availability

- 20% increase in operational efficiency

Virtual Assistants

Ai-powered chatbots to converse with employees, comprehend the employee's query and solve the problem in minutes. An efficient, low-cost, and automated solution for businesses to experience to reduce wait times, automate repetitive tasks and enhance employee productivity.

Features

- Multilingual support to converse in preferred language

- Simple conversational interface as first line of employee support

- Seamless transfer of conversations to live agents

- No-code integrations with ITMS systems

Benefits

- 50% deflection of low-value and repetitive queries

- 60-100 per-hours per-week saving via automation

- Improved employee experience and productivity

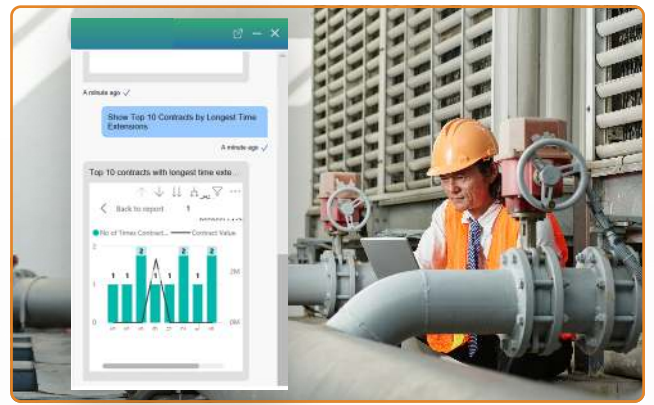- Reduction of employee support costs

Virtual Assistants at work

Neptune Energy built improved digital experience for its 1500+ on and offshore workforce with an HR chatbot to answer HR queries across 100+ topics. The bot was built and deployed in just two weeks.

Read Case Study →

Data Experience Bots

Intelligent data-bots for super-fast insights and granular business updates right on the chatbot. The platform provides dynamic reporting via visuals and charts and eliminates the hassle of switching between dashboards.

Features

- Understands user intent and turns natural language questions into data warehouse queries

- Automates the process of query data, eliminating user requirement to write tailored queries

- Frictionless integration with BI systems

- Mobile and desktop ready platform

Benefits

- 50% aversion of low value and repetitive reporting

- 60-80 hours per-week saving via automation

- Downloading and emailing of reports directly from DX bots

- Increased employee satisfaction and experience

Data Experience Bots at work

A Data bot refined employee experience for a contracting office and improved decision making leading by providing insights based on natural language question and reduced time & costs.

Read Case Study →

WAVE- Next Gen Innovative Platform

An intuitive and engaging idea management solution for enterprises to collect, evaluate, refine, and nurture ideas from employees across departments. The platform empowers businesses to tap into the organization-wide innovation and avoid duplication of ideas hassle-free.

Features

- Capturing key ideas and automating manual processes via centralized solution

- Gamification initiatives to boost employee engagement and adoption

- Custom form templates and process flow to streamline innovation

- Idea campaigns feature for focused ideation

Benefits

- 50%-time savings via automatic duplicate detection

- 80% faster response times for idea approvals

- 100% transparency in the ideation process

- Focused ideation to promote business growth

WAVE at work

A leading food company used "Wave" idea management solution to configure idea pooling, track ongoing & completed ones and improved processes, collaboration & employee engagement.

Read Case Study →

Accelerating enterprise hypergrowth in the energy sector value chain: The Acuvate edge

Acuvate brings its best AI, ML, cloud, data & analytics, and IoT minds for frictionless operations and hyper-efficiency and collaboration. By using the most suitable cutting-edge technologies, we empower energy sector organizations to become truly data centric.

Our robust and intelligent solutions for energy sector players create a connected digital workplace where your employees are connected, safe, and delivering their best.

As organizations continue to be plagued by recurring obstacles of siloed tools and operations, frequent downtime, increased carbon emissions among other concerns., Acuvate modernizes business processes and delivers maximum value to all stakeholders.

Partner with our award-winning platforms built on the Microsoft stack and:

Achieve faster time-to-market
(4-12 weeks)

Improve worker safety and seamless
remote training for field employees

Reduce health and
safety-related incidents

Gain savings of up to 100 per-hours
per-week via smart automation

Maximize the benefits of existing
Azure, 365 and ERP investments

Stay ahead of the industry curve, make the most of your technology investments, and experience uncompromised scalability with Acuvate.