

IDC Energy Insights: Agile Energy

Strategic Priorities

PROGRAMS

USE CASES

Digital Refining



Smart Operations Management

Quality

Digital Blending

Predictive Quality

Digital Twin

Cognitive Root Cause

Global Trade Automation

Energy Optimization

Connected Assets



Smart Assets

Strategic Asset Management

Self-Healing Assets

Asset Performance Management

Asset Instrumentation

Failure Models & Effects Analysis (FMEA) Automation

Equipment Health Communication

Digital Inspection

Augmented Maintenance

Asset Tracking

Digital Upstream



Production Management

Production Optimization

Exploration

Real-time Hydrocarbon Production Management

Real-Time Drilling Optimization

Predictive Lease Management

Production Allocations

Integrated Production Operations

Downhole Intelligence

Automated Field Tickets

Virtual Geophysics

Automated and AI-Supported Drone & Robotic Inspections

Drone-Based Exploration

Next-Gen Safety



Enhanced Personal Safety

Asset Safety

Connected Safety Wear

Process Condition Monitoring

Virtual Presence

Process Self-Inspection

Robot Aided Process Operations Support

Agile Energy Digital Roadmap

