

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

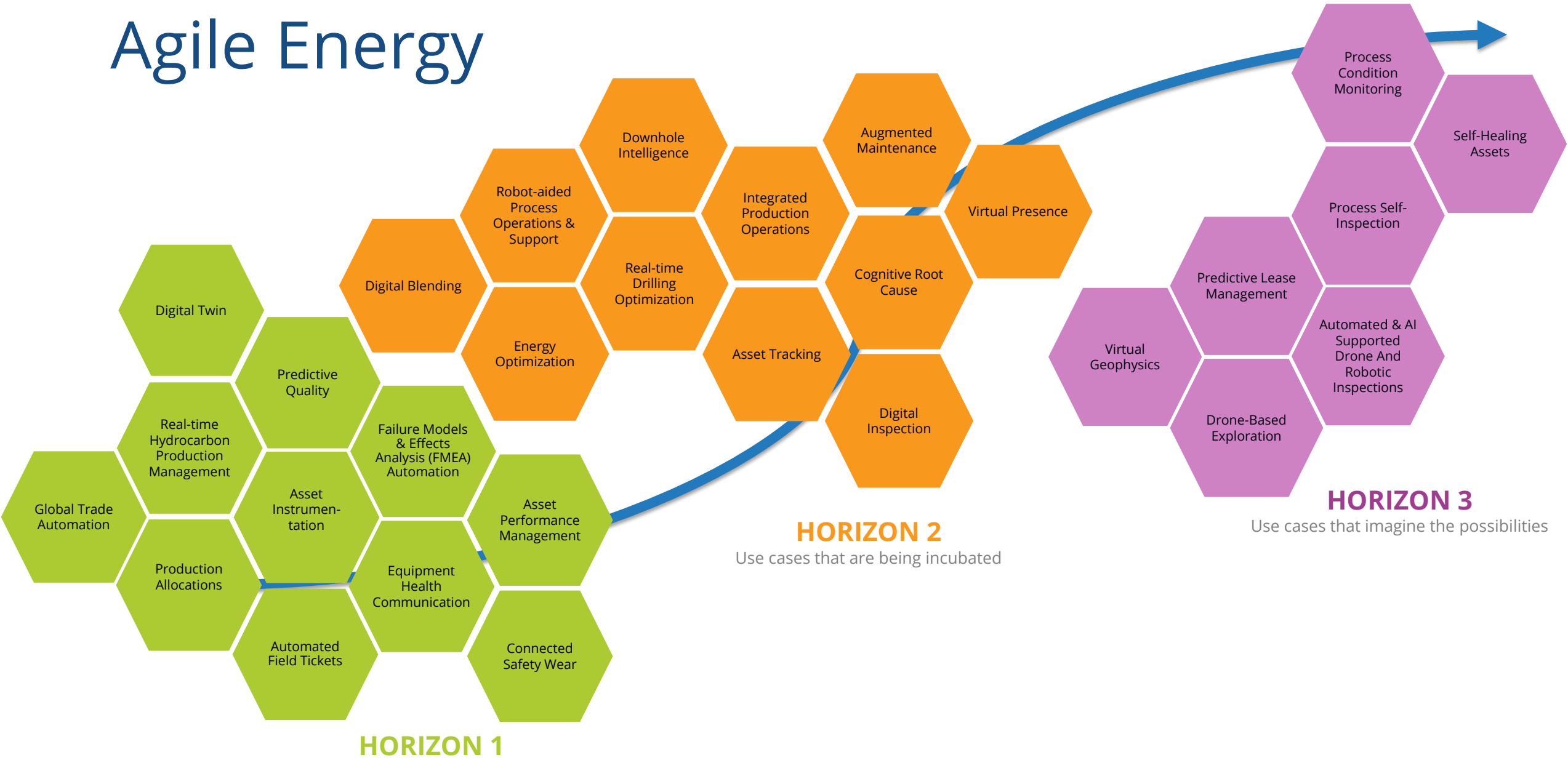
Process Condition Monitoring

Virtual Presence

Process Self-Inspection

Robot Aided Process Operations Support

Agile Energy



HORIZON 1
Use cases that are deployed today

HORIZON 2
Use cases that are being incubated

HORIZON 3
Use cases that imagine the possibilities

Digitally Transforming the Enterprise Industry by Industry



IDC Energy Insights

- Agile Energy
- Agile Mining
- Energy-as-a-Service

IDC Financial Insights

- Capital Markets
- Connected Banking
- Contextual and Value Centric Insurance

IDC Government Insights

- Effective National Government
- Smart Cities and Communities
- Transformative Academia

IDC Health Insights

- Knowledge-Based Medicine
- Value-Based Health

IDC Manufacturing Insights

- Collaborative Innovation (AOVC)
- Engaging Consumer Experience at Scale (BOVC)
- Creating Experience Ecosystems (EOVC)
- Technology-as-a-Service (TOVC)
- Transportation and Logistics

IDC Retail Insights

- Experiential Hospitality, Dining & Travel
- Experiential Retail
- Media & Entertainment

IDC Telecommunications Insights

- Communications Service-Enabled Connected Communities