

ACCELERATE INNOVATION WITH A PROVEN, PRACTICAL APPROACH TO AI

AI REDEFINES THE WAY WE LIVE AND DO BUSINESS



From tissue classification that helps identify cancerous tumors to detecting drought and crop diseases in agriculture, quality control in manufacturing, and fraud detection and prevention in financial services, artificial intelligence (AI) creates new experiences. It drives smarter operations and enables breakthrough innovation.

AI GLOBAL SPENDING IS SET TO SURGE MASSIVELY



Spending on cognitive and AI systems will reach **\$79.2 billion** in **2022**, more than double the **\$35.8 billion** forecast for **2019**. The compound annual growth rate (CAGR) for the **2018–2022** forecast period will be **38.0%**.¹



AI is a priority for organizations—**25%** organizations have an enterprise-wide AI strategy.²

AI'S GAINING STEADY GROUND IN THE MAINSTREAM



Enables digitization and monitoring of the supply chain

Improves healthcare outcomes with increased accuracy of diagnoses, improved preventive medicines, enhanced drug discovery, and others

Prevents downtime through prescriptive and preventative maintenance of machines

Helps researchers pull data from sources around the world to better understand global health issues, food shortages, and weather patterns

Improves the processing of long queues in airports, government services, and other public areas through queue recognition

Boosts quality control efficiency through visual identification of defects

Enables highly automated driving and prevents common road accidents

BUT THE PATHWAY TO AI ADOPTION IS PITTED WITH CHALLENGES

Complex data-related challenges—unprecedented volume, quality, security, protection, and governance—make it difficult to extract business value

Lack of internal and external data science and AI expertise

Difficulty in navigating an ever-changing and expanding open-source tools ecosystem

New demands for AI-enabled workloads and workflows require high-performing infrastructure optimized for AI and machine learning (ML)

Unpredictable costs and capacity needs

Data and AI/ML operations and deployment challenges

HPE AI SOLUTIONS CAN HELP YOU ACCELERATE AI ADOPTION—AND REALIZE ITS VALUE FASTER

With proven success across the world, HPE and its partners help you rapidly design and deploy your AI solution. Whether you're looking to get started, optimize, or scale, HPE AI Solutions and edge-to-cloud platform as a service can help you create new application experiences and achieve breakthrough innovations. Here's how:

1

Proven expertise to accelerate your AI journey

- Advisory and Professional Services to explore, experiment, and expand your AI and analytics-driven digital transformation initiatives
- HPE Artificial Intelligence Transformation Workshop to create a vision, plan, and common understanding among business, data scientists, developers, and IT operations teams
- Access to well-defined AI solutions across industries that can scale based on HPE and its partner technologies
- Industry-leading support services and training for ongoing operations and change management³

2

HPE Machine Learning Ops

- HPE Ezmeral ML Ops is a turnkey solution built on HPE Container Platform—an enterprise-grade container platform designed for cloud-native, non-cloud-native, and AI/ML and analytics applications with open-source Kubernetes—running on bare-metal or virtualized infrastructure, on any public cloud, and at the edge; extends the capabilities of the container platform to the entire ML lifecycle, allowing you to standardize ML workflows, operationalize complete ML lifecycles, and accelerate AI deployments
- Supports a wide variety of data science and ML tools for every stage in the model lifecycle, standardizing the entire ML model lifecycle and bringing DevOps-like agility to ML workflows

3

AI-powered solutions and infrastructure at every scale, from edge to cloud

- HPE Prescriptive Maintenance Services and quality control
 - Read the [solution brief](#), [technical white paper](#), and [blog](#)
 - Watch the [video](#)
- Video analytics and surveillance
 - Read the [technical white paper](#)
- Speech and language processing
 - Read the [brochure](#)
 - Watch the [video](#)
- Highly autonomous driving
 - Read the [technical white paper](#)

4

Flexible cost control and agility across your cloud with less risk

- HPE GreenLake uniquely delivers pay-per-use consumption models that offer cost, control, and agility across your clouds
- HPE Financial Services pay-as-you-deploy models offer flexibility and reduce the risk of launching new ventures

HPE and Seagate collaborated to transform manufacturing quality assurance using deep learning, pushing decision-making closer to the edge—where it does the most good for product quality and process efficiency.

With HPE, Mercedes-AMG Petronas F1 Motorsport leverages Big Data to shave milliseconds off race times. An HPE Apollo HPC system runs complex race simulations, giving engineers additional information to make faster and better-informed decisions before, during, and after on-track sessions.

HPE PUTS AI INTO ACTION

HPE helped Texmark build a refinery of the future featuring advanced industrial IoT capabilities, resulting in productivity, increased uptime, uninterrupted production, satisfied customers, and safer, connected workers.

AI extracts meaning from data to drive innovation. Navigate this fast-changing field and realize its benefits, from IoT to data center to cloud. With HPE as your trusted AI partner.

LEARN MORE AT hpe.com/ai

¹ Worldwide Semiannual Cognitive Artificial Intelligence Systems Spending Guide, IDC, March, 2019

² AI Global Survey 2019, IDC, May 2019

³ IDC MarketScape: Worldwide Support Services 2019 Vendor Assessment, IDC, October 2019