

## SOLUTION BRIEF

# Navigating AI-era data center optimization

Leverage Flex's proven data center services

### KEY BENEFITS

- Streamline deployment for AI-era growth
- Maximize compute uptime and revenue
- Enhance infrastructure longevity with sustainable IT management
- Optimize cost and carbon impact across the data center
- Scale confidently with end-to-end support

### Revolutionize data center expansion

The exponential rise of AI is accelerating global data center buildouts, unlocking \$15.7 trillion in economic value<sup>1</sup>. Operators are rethinking traditional infrastructure, seeking custom technologies to power AI training and monetize global services. In this landscape, maximizing compute performance is essential to gain competitive advantage and meet ROI targets.

#### Simplify deployment for data center expansion

Deployment solutions are projected to reach \$110 billion globally by 2030.<sup>2</sup> Revolutionize your approach by leveraging Flex solutions and products that mitigate risk, optimize ROI, and enable the seamless deployment of AI-driven infrastructure at scale.

- Integrate world-class components from a broad portfolio of diverse technologies.
- Predict and mitigate risks with advanced supply chain simulation tools.
- Scale with confidence, leveraging Flex's global footprint for timely deployment and minimal delays.
- Streamline AI-era infrastructure scaling to meet evolving business needs.

#### Minimize downtime with advanced fleet management strategies

An hour of downtime can cost a company an estimated \$300,000 in lost revenue.<sup>3</sup> Proactive fleet management and fulfillment services from Flex support predictive maintenance, component refresh, and infrastructure optimization to mitigate costly disruptions and extend the lifespan of data center assets.

- Address revenue loss with real-time predictive maintenance strategies.
- Extend infrastructure lifespan through proactive component refresh and replacement.
- Optimize fleet management to ensure peak performance at all times.



### Accelerate innovation with Coreworks

Get high-quality, cost-effective components delivered when and where needed, worldwide. Coreworks, a Flex company, designs and manufactures a diverse portfolio of standard and custom electrical and mechanical components for your most innovative designs.

## ABOUT FLEX

Flex provides advanced manufacturing capabilities, innovative power and cooling products, and services that solve for data center power, heat, and scale challenges in the AI era. Accelerate data center infrastructure deployment worldwide with Flex.

### Optimize routes to market with value-added fulfillment and logistics services

Reduce complexity, lead times, and forecast volatility with tailored strategies for an agile supply chain and configured fulfillment response.

- Managed inventory
- Warehousing
- Kitting and customization
- Fulfillment and global material logistics

### Sustainably extend IT investment with aftermarket services

Transform your data center into a model of efficiency and sustainability. Flex circular economy services optimize IT infrastructure management from deployment to decommissioning, reducing environmental impact while maximizing asset recovery. Integrated aftermarket services extend product life via value recovery and sustainability practices.

- Reverse logistics and returns
- Repair and refurbishment
- Asset recovery and resale
- Recycling and IT asset disposition (ITAD)



Simplify remarketing efforts and profit from **returned**, **obsolete**, or **excess** stock with **FreeFlow**, a business-to-business marketplace for inventory management.

## Design, deploy, and decommission infrastructure at scale

Maximize compute capabilities while optimizing cost and reducing carbon impact with the experts in global data center infrastructure, fleet management, and circular economy services for the AI era.

### Learn more

[Services](#) | [FreeFlow](#) | [SimFlex](#)

1. PWC, *Sizing the Prize: What's the real value of AI for your business and how can you capitalise?*, Accessed February 19, 2025

2. Research and Markets, *Data Center Services Market by Services, Data Center Size, Deployment Model, End User Verticals, Global Forecast, 2025-2030*, November 7, 2024

3. Information Technology Intelligence Consulting, *ITIC 2024 Hourly Cost of Downtime Report*, L. DiDio, September 3, 2024

For more information, visit [flex.com/connect](https://flex.com/connect)

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