









As the growing demand for efficiency, flexibility and low-cost, enterprise need a more flexible and efficient data center to meet changing business needs. Huawei data center facility integration services provide end to end services to help operator, enterprise and government build flexible, green and smart data center.







Site Selection, Certification Consulting Services:

Based on Huawei experienced process and model, help customer find the best site.

Based on the strategic cooperative partnership between Huawei and Uptime, and Huawei ATD certified engineers, help customer review the drawing, obtain the TIER certification, enhance the brand.

Coordinated Planning Service:

Based on Huawei coordination plan idea, help customer achieve coordinated planning among application, IT and facility, and coordinated planning among business department, construction department and maintenance department, to accurately defines statement of requirement and output reasonable plan.

Flexible, Green Design Service:

Based on Huawei modular design idea, help customer design a flexible architecture to meet business needs, which can achieve scalable capacity, adaptable density and upgradeable availability

Based on Huawei green technology research lab, joint innovation project with industry partner and customer, help customer design a green data center with green energy, green coldness, high efficiency power and high efficiency.

Integration Implementation Service:

Based on Huawei strict quality management system, field construction management process and experienced global delivery team and supply system, help customer fast build a high quality data center.

Smart Management System:

Based on Huawei ManageOne data center unified management system, help customer achieve remote, centralized, intelligent 3D operation and maintenance management, improve management efficiency.

Customized Scenarios:

According to customer requirement, Huawei can provide customized data center solution, including building data center, warehouse data center, prefabricated data center and container data center.







Solution1: Traditional Data Center



Large Scale

- Traditional construction model
- Power density: more than 4kW/rack

A familiar construction mode A familiar management mode

- Easier to meet the requirements of urban
- land use planning

• Project Q: Qingdao, China

• Scale: 21000 m², 3500 racks

• Power density: 5kW/rack

• Delivery time: 3 years

Solution2: Warehouse Data Center



Warehouse

Module



Data Center

- Large-scale
- $\bullet\,$ Use of the old warehouse
- Power density: more than 4kW/rack
- $\bullet\,$ Fast TTM: save the construction time of building
- Scalable: modular design, factory pre-integrated
- Smart investment: save the CAPEX of building construction
- Project: Beijing, China
- Scale: 5600 m²,1100 racks
- Power density: 5kW~10kW
- Delivery time: 6 months



Solution3: Prefabricated Data Center



Small scale

- Central office
- Power density: 4kW/rack

- Fast TTM: factory pre-integrated
- Scale: modular design
- Customized: meet various requirement

- Project N: Nigeria
- Scale: 300 m², 48 racks
- Power density: 4kW
- Delivery time: 6 months

Solution4: Container Data Center



- Small scale
- Standard requirement
- Power density: more than 10kW/rack

- Fast TTM: deployed in 3 months
- Scalable : modular design
- Green: cold aisle containment, PUE less than 1.5

- Project K: Shenzhen, China
- Scale: 800 m², 36 racks
- Power density: 10kW/rack
- Delivery time: 3 months







Huawei Data Center Integration Service Capabilities



Professional Team	Professional Tool	Lab	Qualification
1680+ Experts • 150+ System architects • 330+ Designers • 200+ PM experts • 1000+ Delivery experts	 30+ Data Center Tools 9 Consulting & planning tools 10+ Facility design tools 20+ Facility delivery tools 	I	 3 Qualifications Uptime founding member ISO(20000, 27001) China system integration first -grade qualification
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International Recognition







Huawei Data Center Global Presence



78 Operators, 400+ Data Centers, 120+ Cloud Data Centers

















Huawei Data Center Integration Services

Huawei can provide end-to-end data center integration services for operators, enterprises and governments, ensuring data center high efficient, easy to expand, secure and reliable, low TCO. Huawei data center integration services are composed of two parts:

- Data center facilities integration service focuses on helping customers build flexible, hybrid, smart, adaptive to cloud, green facilities through the method of consulting and planning, designing, implementing, testing, verifying and certifying of TIER.
- Data center IT infrastructure integration service focuses on helping customers build elastic, automatic, high efficient, secure and reliable IT infrastructure through the method of consulting and planning, designing, implementing, testing, migration and business continuity services of data center network and security, server storage and cloud OS, management system.

About Huawei

Huawei is a leading global ICT solutions provider. Through our dedication to customer-centric innovation and strong partnerships, We have established end-to-end capabilities and strengths across the carrier networks, enterprise and customers by providing competitive ICT solutions and services. Our products and solutions have been deployed in over 140 countries, serving more than one third of the world's population.

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