

Data Sheet

Data Center OPTIMIZATION Services

Facility Risk Assessment

Gaining valuable insight into the energy efficiency, cooling and secure IT operations of your data center

Introduction

OPTIMIZATION Services from Fujitsu offer efficient consultation packages for existing infrastructure environments at a fixed price. This has been made possible by systematically analyzing a large number of successfully implemented consultation projects. The solution methods used have been standardized and combined with the experience of the comprehensive product and solution skills provided by the Fujitsu group. The resulting first-class consultation and analysis packages quickly provide customers with specific information and suggested improvements for the infrastructure involved

Customer's requirements

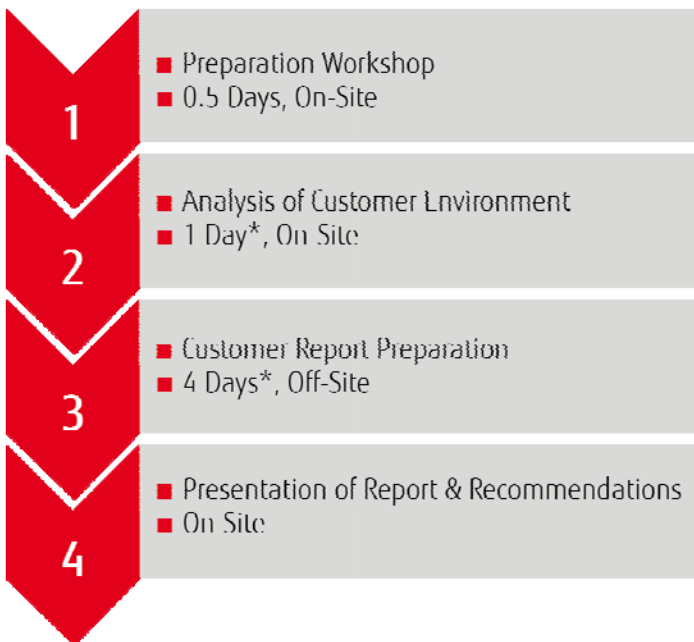
- Uncover and eliminate any unknown dangers in your data center infrastructure and operations (security gaps, safety hazards)
- Identify compliance issues with relevant corporate and legal requirements
- Understand how your IT infrastructure reacts to changes caused by external events and how your personnel and processes are equipped to deal with specific situations
- Requirement to develop Secure IT operations
- Requirement to optimize security, quality and energy efficiency to meet current and future company needs

Fujitsu's solution

Considerable investments are made in data centers but the infrastructure frequently does not meet the demands of IT operations. The Facility Risk Assessment is used to clearly assess all the factors which affect the security, reliability and energy efficiency of your IT operations, and to make qualified recommendations for optimization measures which will increase the security and efficiency of your data center. In addition, the service also takes into account the economic viability of any recommendations made, to ensure maximum cost-effectiveness for your operations.

Customer's benefits

- Energy usage information of the data center
- Power Usage effectiveness (PUE)
- Data Center Infrastructure Efficiency (DCiE)
- Mechanical & Electrical redundancy
- Current risks and areas of low efficiency
- Audit of downtime risks and recommended measures to reduce them
- Recommendations for coordinating and optimizing your investments using state-of-the-art security standards



*Note: Durations are typical figures and may differ.

Service Details

Service description

1. Preparation Workshop

There are many potential dangers which can affect IT operations. In order to optimally align our Data Center Assessments to your company's specific needs, we first clarify beforehand some fundamental questions: how secure must your IT operations be? Or: how quickly must your system be available again?

In a workshop with our consultants present the current technical options for improving the physical security and energy efficiency of the data center operations and examples of identified best practices.

2. Analysis of Customer Environment

The next step is an inspection on-site. This is where Fujitsu consultants identify and analyze possible weak points in the individual infrastructure areas; the following are decisive factors, such as:

- location (environment, floor-space use)
- Air conditioning and refrigeration systems (air conditioning, air distribution, air conditioning supply, re-cooling)
- Fire and smoke protection (fire loads, fire areas, fire alarm system, sensors, sealing, covers, doors, extinguishers)
- Power Supply (transformer, cabling, UPS, power backup equipment, lightning and overvoltage protection, electromagnetic radiation and electromagnetic compatibility [EMC])
- Water supply (piping, drains, rain, surface and ground water drainage)
- Burglary / theft / sabotage
- Safety devices (access control, threat detection equipment, alarms, etc.)
- Physical network (server locations, cable routing, etc.)

3. Customer Report Preparation

Further to the on-site inspection the risk status of your IT operations are determined and assessed. Based on your specifications and our assessment results we develop a catalog of actions specially designed to meet your requirements. This is all detailed in an explanatory report and presentation.

4. Presentation of Report & Recommendations

Fujitsu consultants present and discuss the results and recommendations with you on-site.

- Experienced personnel available for the duration of the service to enable access to inspected areas, provide answers to specific questions with regard to inspected items and to deliver customer requirements
- Latest location and floor plans scaled to 1:500, 1:100 or 1:50 made available to Fujitsu in paper format and on disk as a CAD file in dwg or dxf format for the relevant areas of investigation
- Relevant current technical installation documentation and revisions
- Relevant Information of the operation of the current and future hardware systems.
- Access to observe the current Data Center area to derive the necessary measurements
- Technical data of supply systems such as electrical connection with the necessary electrical connection services, emergency power supply, cooling, alarm and fault organization, etc.
- Information of currently used IT Equipment
- Information of the electrical power consumption of the computer equipment if known, or measured from the electricity supply distribution board
- Suitable rooms with projectors for the workshop
- Where appropriate and agreed, any other relevant data required in performing the service

Fujitsu will not be held responsible for any data loss. The Customer is responsible for ensuring that all data on measured systems is backed-up prior to service commencement

Unless expressly agreed otherwise the Fujitsu IT Services as set out in this datasheet will be performed based on the Fujitsu **"General Terms on Consulting and Technical Assistance"** or alternatively - where the main emphasis of the services is on the performance of works - based on the Fujitsu **"General Terms for IT Integration Services, IMAC/D Services and other works and services subject to acceptance"**.

Ordering and delivery

This OPTIMIZATION Services is available from your local Fujitsu sales office. When ordering, please quote the information below:

Title	Facility Risk Assessment
Order code	CPS:IT-ICN-11014F (20m ² - 50m ² floor space) CPS:IT-ICN-11015F (51m ² - 120m ² floor space) CPS:IT-ICN-11016F (121m ² - 250m ² floor space) >250m ² floor space - on request

Service terms and conditions

The Customer agrees to the following conditions as pursuant to the delivery of the service defined and agrees to make the following available to Fujitsu:

More information

Fujitsu OPTIMIZATION Services

In addition to the Fujitsu Facility Risk Assessment Service, Fujitsu provides a range of OPTIMIZATION services, first-class efficient consultation and analysis packages which quickly provide customers with specific information and suggested improvements for existing infrastructure environments at a fixed price.

Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as a Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products

www.fujitsu.com/fts/products

- PRIMERGY: Industry Standard Server
- SPARC Enterprise: UNIX-Server
- BS2000/OSD Mainframes
- PRIMEQUEST: Mission Critical IA Server
- ETERNUS: Storage Solutions
- ESPRIMO, LIFEBOOK: Workplaces

Software

www.fujitsu.com/fts/products/software

- Operating Systems
- Middleware
- Applications
- Partner Software

Services

www.fujitsu.com/fts/services

- Managed Services
- Infrastructure as a Service
- Consulting & Integration Services
- Maintenance & Support Services

More information

To learn more about the Fujitsu Facility Risk Assessment Service and other related services please contact your Fujitsu sales representative, email us at expert@ts.fujitsu.com, or visit our website at www.fujitsu.com/de/consultingservices

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at: www.fujitsu.com/global/about/environment/



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