

## FUJITSU Data Center Management and Automation Data Center Infrastructure Management (DCIM)



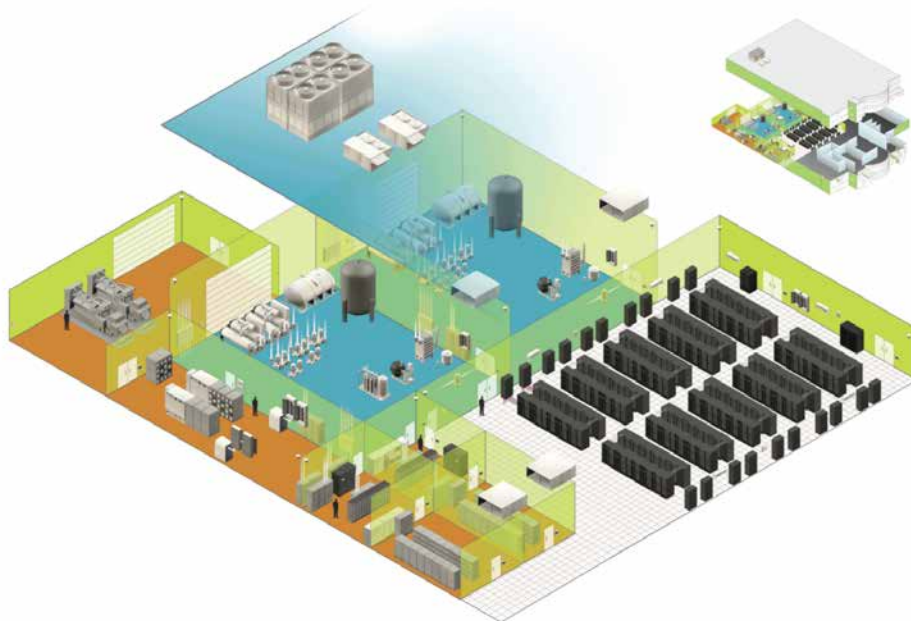
shaping tomorrow with you

# FUJITSU Data Center Management and Automation

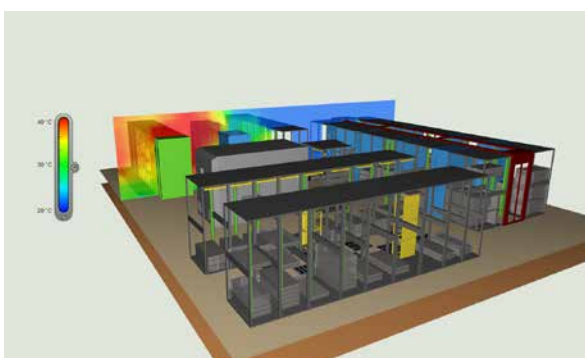
## Data Center Infrastructure Management (DCIM)

In our always-on business world and society, IT is expected to deliver 24x7 availability, and work as cost-efficiently as possible. Yet the data centers themselves have to combine two different worlds: IT managers are in charge of front-line components such as servers and storage, whereas facility managers oversee resources such as power, cooling and space allocation. What is often missing is a single, integrated view of the entire landscape. With Data Center Management and Automation from Fujitsu, enterprises can combine these often conflicting views into an integrated solution to manage infrastructure, keep IT running smoothly, automate processes and deliver value to the business. FUJITSU Data Center Infrastructure Management – the digital twin of your data center – covers energy, assets and processes. It is the enabler of complex, automated work-flows and supports a wide range of data center equipment and platforms from all major vendors.

Digital twin of the Data Center

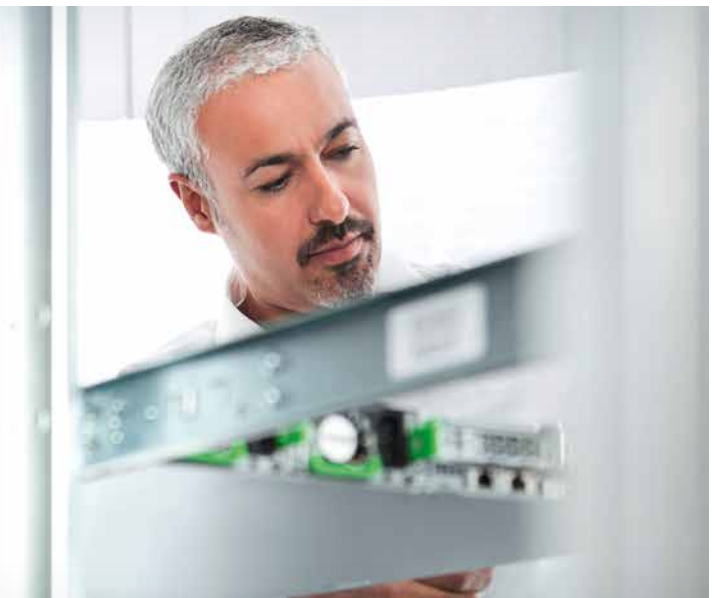


Temperature and air flows



Monitoring and management of Data Center sensors





### FUJITSU Data Center Management and Automation

FUJITSU Data Center Management and Automation is a portfolio of solutions that embraces IT Operations Management (ITOM) and Data Center Infrastructure Management (DCIM).

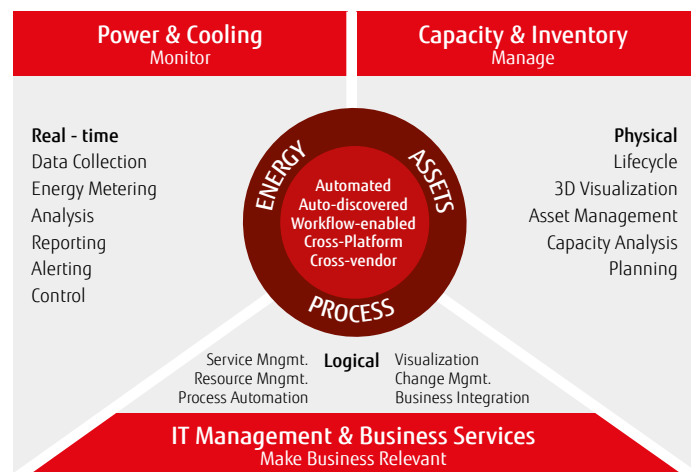
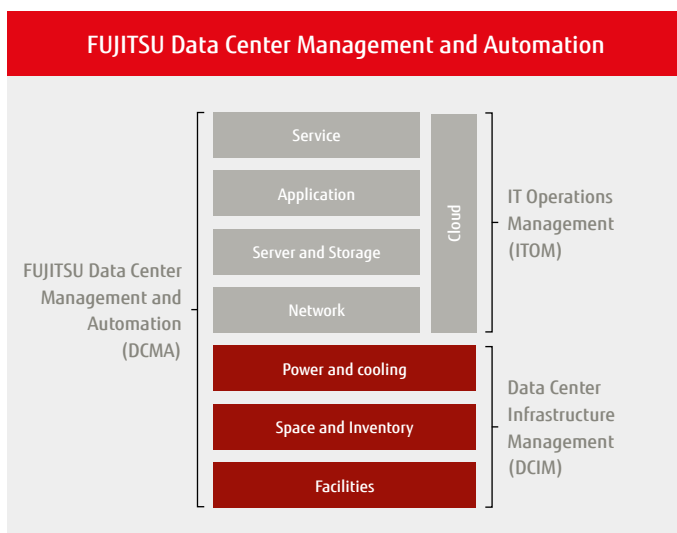
**ITOM** comprises tools to orchestrate, manage and monitor IT infrastructure. As such, it manages the availability of servers, applications, network components and configurations, and ensures performance is up to scratch. It also takes care of incident management and keeps the IT service & help desks running smoothly. **DCIM**, on the other hand, creates a bridge between the IT infrastructure (such as servers, racks and network components) and system parameters such as power, cooling, space allocation and inventory, providing up-to-date status reporting on each element. The role of DCIM is to integrate processes, IT and facility management to provide the people in charge of the data center with functions to manage and monitor data center events, and to automate many of the processes that are driven by IT.

### The Fujitsu approach to Data Center Infrastructure Management

ITIL-based FUJITSU Data Center Infrastructure Management (DCIM) covers energy, assets and processes. It is the enabler of complex, automated workflows and supports a wide range of data center equipment and platforms from all major vendors.

FUJITSU DCIM focuses on three main challenges to help enterprises leverage their data center resources:

- **Power and cooling:** an extensive range of data is captured for managing and monitoring power and cooling in real time, with automatic alerts and reporting to maximize efficiency.
- **Capacity and inventory:** data centers can manage their complete inventory and capacity along the entire asset lifecycle, with planning and capacity analysis and 3D visualization.
- **Logical IT management and business services:** the solution provides automated service, change and resource management, virtualization, process automation and business integration.



**Picture 1:** IT Operations Management and Data Center Infrastructure Management combined

**Picture 2:** Data Center Infrastructure Management feature set

With FUJITSU Data Center Infrastructure Management, enterprises can:

- Reduce costs by optimizing power consumption
- Increase ROI by making more efficient use of space in data centers
- Improve availability and IT service continuity
- Obtain support for professional risk and security management
- Improve operational efficiency through automation
- Obtain a clear overview of asset deployment trends
- Benefit from clearly documented and visualized data center events, also of cabling, storage and power



# FUJITSU Data Center Infrastructure Management in action

## Practical examples of added value

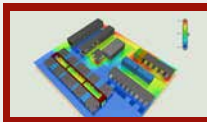
### Strategic business value of DCIM

Manage Data Center resources to improve efficiency, reduce cost and risk

Optimize DC infrastructure  
(Space, power and cooling)



Manage physical capacity and inventory



Real-time visualization of data center utilization



Relate data center resources to business value



Increase efficiency, improve capacity and reduce costs of data center resources



### Fujitsu temperature management in the data center

The solution works with a dense network of measurement points that require minimal installation and wiring. The detailed temperature profiles captured by this flexible temperature sensor array are integrated into the DCIM. Thanks to DCIM visualization capabilities, hotspots are identified at a glance, making it easier to optimize data center cooling, distribute systems effectively and increase energy efficiency. By integrating into existing DCIM solutions, the Fujitsu concept leverages synergies and reduces the learning curve. No additional monitoring tools are required, and there is no need for extra staff training. Our solution includes DCIM software from our partner Schneider Electric.

### Typical DCIM Customer Use Cases

- Digital twin of the Data Center – create the buildings and rooms
- Definition and integration of IT assets
- Integration, measuring and simulation of energy, temperature and environmental values
- Operational and change processes
- Interaction of DCIM with other Management and Automation Solutions
- Central Data Center Control Center



### Why Fujitsu?

- Fujitsu is the fourth largest IT service company in the world and the largest in Japan. We run more than 100 data centers worldwide, provide on-site service to 180 countries and have service desks in over 30 languages
- Fujitsu offers a complete portfolio of DCMA solutions: on-premise solutions, managed services or Software as a Service offerings out of the Fujitsu Cloud
- Experienced team of DCMA consultants, engineers and developers for services along the complete value chain (consult, design, build, operate, maintain)
- With their experience integrating processes, Fujitsu teams ensure DCIM improves agility, flexibility and speed
- Close alignment with ITIL best practices and IT service management solutions for multiple ITIL disciplines
- Winner of the German Data Center Award 2013 with the solution "Identify the energy guzzlers in the data center", finalist of the German Data Center Award 2014 with the solution "Automated contingency manual", finalist of the German Data Center Award 2015 with the solution "Temperature sensor matrix for DCIM" and Data Center Award 2016 with autonomous IT service delivery.
- Solutions can be integrated and adopted within heterogeneous data centers
- Fujitsu as a trusted partner – broad offer, independent consulting, best-of-breed portfolio

### FUJITSU TECHNOLOGY SOLUTIONS GMBH

Mies-van-der-Rohe-Str. 8, 80807 Munich, Germany  
E-Mail: cic@ts.fujitsu.com

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