Fujitsu’s Latest Design Review
EON Icube Mobile 4D Virtual Reality, zSpace Holographic Display

**Customer Benefits**

- Enables intuitive design review by creating the S3D-VDR* environment that is more realistic and appealing to the eye.
- Enables design review for detailed areas that could not be confirmed even with a mockup, takes time and effort to develop.

We will introduce a scenario of Fujitsu’s latest manufacturing efforts that we have launched. You can experience design review in an environment where Virtual Reality (VR) technology that accelerates your front-loading is utilized.

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* S3D-VDR: Stereoscopic 3D - Virtual Design Review
* EON Icube Mobile is a trademark or registered trademark of Eon Reality, Inc. in the U.S.A.
* zSpace® is a trademark or registered trademark of zSpace, Inc. in the U.S.A.

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http://www.fujitsu.com/global/
Manufacturing Innovation at Fujitsu
Fujitsu manufacturing reference

Customer Benefits

- Enables virtual manufacturing through the use of ICT as well as the automation of plant lines.
- Creates production lines in a virtual environment to test manufacturing processes from product design to production preparation.
- Helps to achieve production lines supported by human-machine collaboration through the use of a general-purpose assembly robot system based on test results.

Timely launches of innovative products require concurrent development in which different manufacturing departments must work together. Comparing product design against manufacturing processes using virtual products from the early stages of development through the utilization of ICT enables users to ensure the quality of mass-produced products as well as the immediate start of production.

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shaping tomorrow with you
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Ensuring the Security and Safety of Workers in the Manufacturing, Logistics, and Construction Fields

M2M Solution that combines location positioning technology and behavior sensing technology

Customer Benefits

- Enables monitoring current positions and behavior of multiple workers in manufacturing plants, logistics warehouses, construction sites, and other fields all together in real time from an administrative office, increasing the ability to detect unforeseen accidents early*1
- Human behavior data collected by this system can be used as supplementary data for activities to increase productivity.
- Applicable to the Nursing field

Actual work environment

You can grasp the situation from the screen in real-time.

*1: Since this solution system uses radio waves, there may be some lost data or gaps in the positions or behavior of the people shown in the monitor.

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Customer Benefits

- Makes sharing of field conditions easy by associating inspection results with inspection locations in the history management. Patent Pending
- Creates a report automatically from inspection results entered in the field.
- Enables senior inspectors to pass on their technical know-how correctly by using pictures and movies.

By using tablets, you can create or easily find information required for inspection and share and use it in real time no matter where you are or what organization you belong to. With this cloud service, Fujitsu helps customers to improve capabilities in the field and strengthen the management of inspection activities.

* Sections in this document marked Patent Pending relate to technologies for which a patent application has been submitted.

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Maintenance Support Solution for Manufacturers <M2M Linkage>

FUJITSU Enterprise Application GLOVIA ENTERPRISE MM for M2M Linkage

Customer Benefits

- Remotely monitors customers' equipment to detect failures and signs of malfunction at an early stage in order to radically improve the quality and speed in which machinery repairs are carried out.
- Reduces maintenance costs by predicting the period of failure based on operating conditions for individual pieces of equipment and to perform preventive maintenance at the optimal time.
- Improves a piece of equipment's operating rate and reduces maintenance costs by shifting the focus of maintenance from repairing equipment after it breaks down to preventive maintenance.

- **Operation monitoring**: Real-time operation monitoring of equipment using sensing technology
  Graphically visualizes device operation data gathered from M2M*1 services by using icons and time-series graphs; also enables the unified management of the histories of operations, failures and repairs for each device.

- **Failure prediction**: Predicting failures based on the statistical analysis of big data
  Quantifies and visualizes risks of failure depending on the operating conditions of devices by using analysis and prediction software*2 instead of conventional failure prediction based on human intuition and experience; enables the development of maintenance plans in accordance with the priority order of failure risks.

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*1: M2M (Machine-to-Machine): Systems in which machines or information systems that are connected to a network exchange information between themselves without human intervention to automatically optimize control

*2: Analysis and prediction software: FUJITSU Software Interstage Business Analytics Modeling Server; Fujitsu's middleware product

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Maintenance Support Solution for Manufacturers <On-site Maintenance>

Fujitsu Enterprise Application GLOVIA ENTERPRISE MM for On-site Maintenance

Customer Benefits

- Enables the optimal allocation of maintenance operators based on real-time work status information obtained by using smart devices at the manufacturing facilities.
- Digitizes and centrally manages information on on-site maintenance and failures, and enables the sharing of information with design and other related departments to use it effectively.
- Reduces maintenance costs and improves the quality of products and services by increasing the efficiency of maintenance operations.

Fujitsu's maintenance support solution enables users to remotely complete—via smartphone and tablet terminal—on-site maintenance operations, including confirming work schedules, obtaining map information, inputting work performance data, printing out statements of work on mobile printers and obtaining customers' handwritten signatures. This solution also allows users to attach voice messages and video data to gather highly accurate and quality information. Thanks to the downloading/uploading approach, users are able to enter work performance data even outside mobile service areas. The solution has standard features for enabling linkage with the GLOVIA OM*1 field services to cover all maintenance operations.

*1: GLOVIA OM (Cloud-type ERP solution): Cloud application for Salesforce CRM (customer relationship management) with expanded features for mission-critical business operations, such as sales, inventory management, purchasing, production and field services.

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