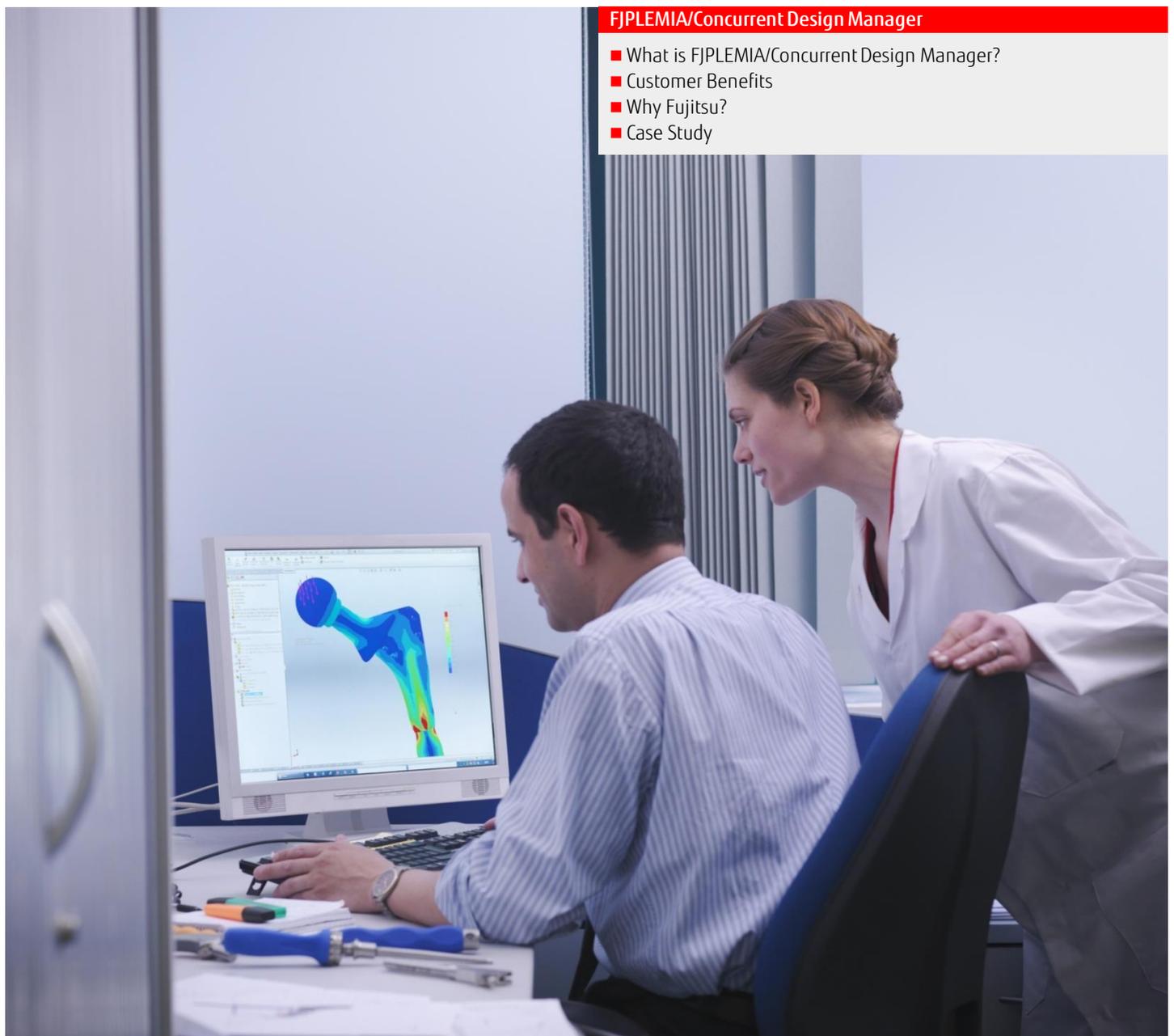FUJITSU

Overview of Service / Solution
FUJITSU Manufacturing Industry Solution FJPLEMIA/Concurrent Design Manager

3D CAD & Mock-up Data management software package
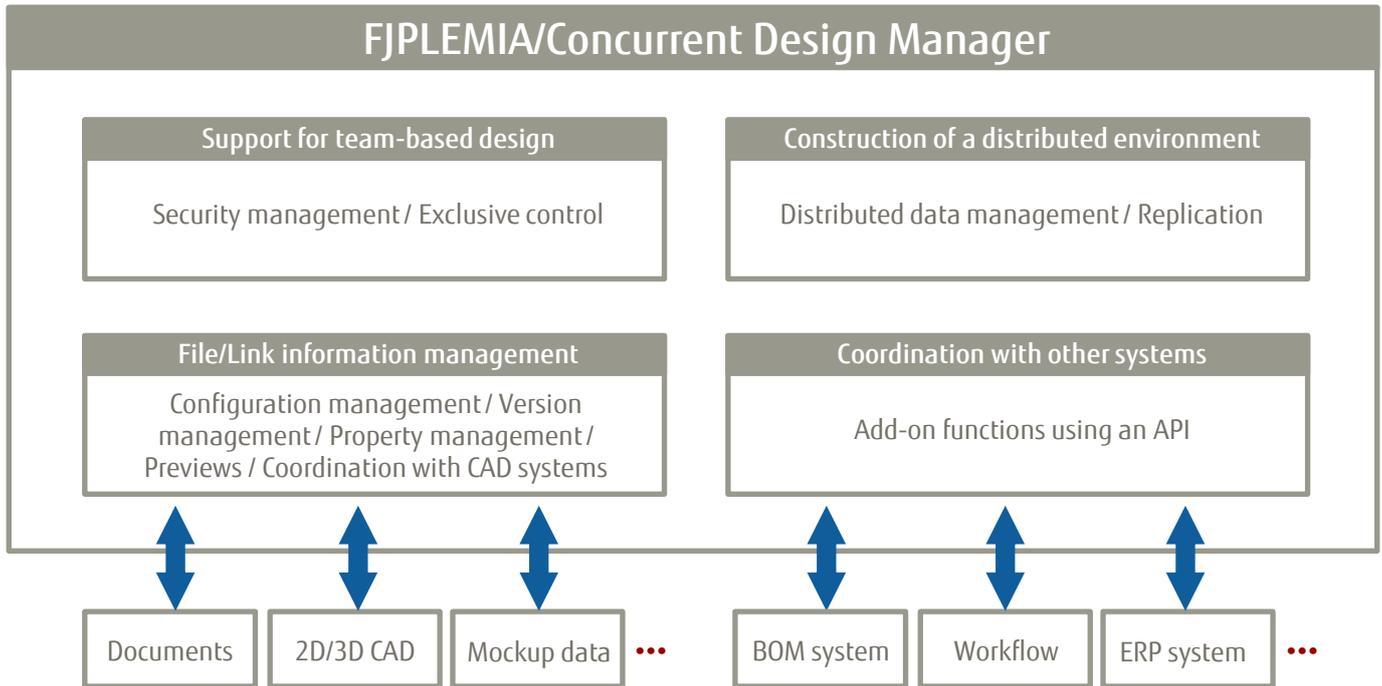FJPLEMIA realizes a global distributed design environment for effective collaborative design
FJPLEMIA creates time for creative work by achieving dynamic linkage management of 3D models
Achieve integrated management of prominent types of 3D CAD data via a unified interface

FJPLEMIA/Concurrent Design Manager

- What is FJPLEMIA/Concurrent Design Manager?
- Customer Benefits
- Why Fujitsu?
- Case Study

What is FJPLEMIA/Concurrent Design Manager?

- Fujitsu's FJPLEMIA/Concurrent Design Manager is a tool for managing design data for product lifecycle management (PLM).
- FJPLEMIA/Concurrent Design Manager provides a seamless team-based design environment regardless of design environment size or design tool type.
- FJPLEMIA/Concurrent Design Manager improves overall business efficiency when used in combination with BOMs and mockup tools.

FJPLEMIA/Concurrent Design Manager

Support for team-based design	Construction of a distributed environment
Security management / Exclusive control	Distributed data management / Replication

File/Link information management	Coordination with other systems
Configuration management / Version management / Property management / Previews / Coordination with CAD systems	Add-on functions using an API

| Documents | 2D/3D CAD | Mockup data | ••• | BOM system | Workflow | ERP system | ••• |

Customer Benefits

FJPLEMIA/Concurrent Design Manager enables construction of an information platform using tools with a proven track record.

- FJPLEMIA/Concurrent Design Manager provides access to solutions supported by our experiences with major advanced manufacturers. Fujitsu also uses FJPLEMIA/Concurrent Design Manager internally.
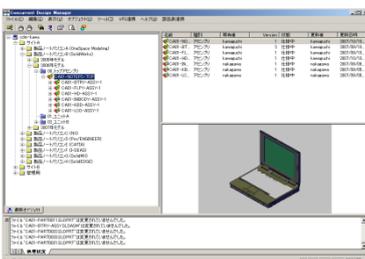
FJPLEMIA/Concurrent Design Manager creates time to focus on design work.

- FJPLEMIA/Concurrent Design Manager is designed to be easy to use so as to help users learn how to operate it within a short period of time.
- The tools manage data link information, allowing designers to focus on creative design work.
- FJPLEMIA/Concurrent Design Manager automatically generates FJVPS data to reduce designers' workloads.
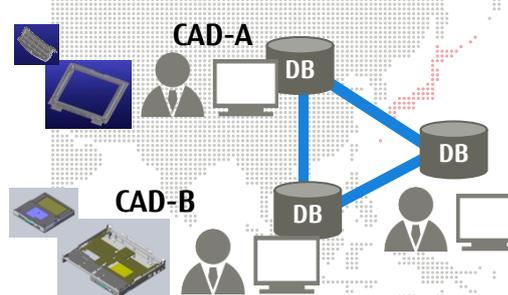
FJPLEMIA/Concurrent Design Manager's flexible expandability supports company-wide and global development.

- FJPLEMIA/Concurrent Design Manager supports multiple CAD systems, thus allowing users to manage different CAD programs in different departments using the same system.
- Designed to support multi-site systems, FJPLEMIA/Concurrent Design Manager enables design to be coordinated across different sites.
- Develop add-ons using the API to achieve easy coordination with upstream and downstream systems.
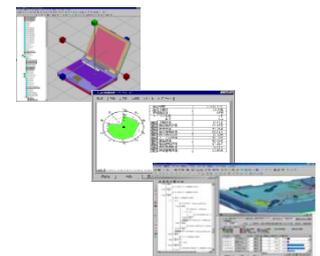- One can start out small and then gradually expand the system to achieve large-scale management.

Simple and instinctive GUI

Multi-Site Cooperation Design
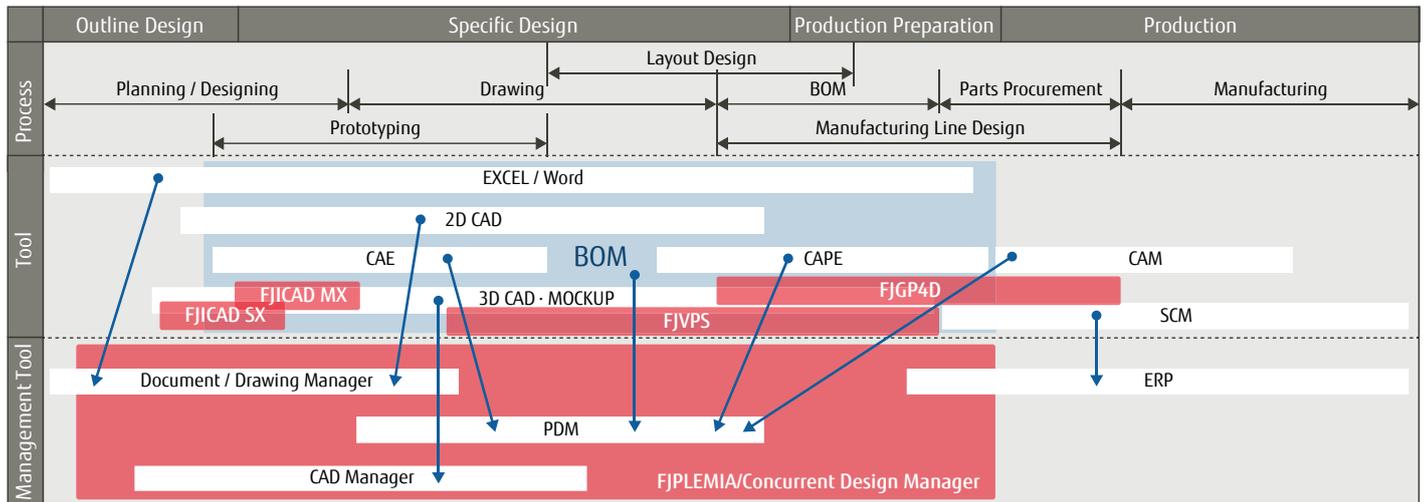
CAD-A

DB

DB

CAD-B

DB

Digital Mockup & Simulation

Why Fujitsu?

- Fujitsu is a manufacturer that designs and manufactures products on its own, including supercomputers, servers, telecommunications equipment, and mobile devices. Based on its experience in manufacturing, Fujitsu provides PLM package software solutions.
  - · CAD: FJICAD/SX and FJICAD/MX
  - · MOCKUP: FJVPS
  - · PDM: FJPLEMIA/Concurrent Design Manager
  - · Virtual Product Line Simulator: FJGP4D
- Based on 30 years of experience in the industry, Fujitsu provides package software that caters to customers' needs.
- By developing its own package software, Fujitsu maintains high product quality to meet customers' needs.
- Fujitsu is capable of providing customers with a full range of services, including hardware (e.g., PCs and servers) as well as networks, telecommunications equipment, and software.
- As an SI vendor, Fujitsu has helped many customers construct business operation systems for many years.

Case Study

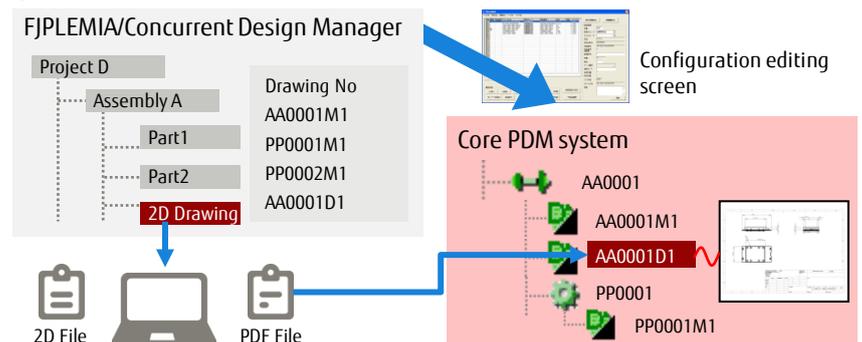| User company	Usage and characteristics
Fujitsu Ltd.	Used at 10 branches in Japan in coordination with company BOM systems (configuration information)
Konica Minolta Inc.	Used at 2 branches in Japan and 1 branch in China in coordination with company BOM systems (configuration information)
Cateye Co., Ltd.	Used at 1 branch in Japan Data delivery to production through the P/S Editor option (simple assembly configuration list)
Fujitsu Ten Ltd. (Automotive supplier)	Used at 2 branches in Japan and 1 branch in China The company plans to expand the system to its overseas branches (in Southeast Asia)
Precision instrument company C	Used at 2 branches in Japan and 1 branch in China in coordination with existing BOM systems (generation of drawing frames, TIFF conversion, etc.)
Machine manufacturing company M	Used at 2 branches in Japan and 1 branch in South Korea in coordination with company BOM systems (configuration information)

Example: Fujitsu Ltd.

Goals

- Centralized management of design assets across multiple business sites
- Centralized management of data from multiple types of CAD software
- Coordination with the core PDM system

Results

- Promotion of coordinated design and improvement in work efficiency
- Immediate retrieval of information and reduction in the number of maintenance man-hours
- Company-wide information sharing and improvement in work efficiency

Retrieving configuration tree information from FJPLEMIA/Concurrent Design Manager data; editing the information using a BOM editing tool and then registering it in the core PDM system

FUJITSU Manufacturing Industry Solution FJPLEMIA/Concurrent Design Manager

Modules

FJPLEMIA/Concurrent Design Manager ClientCore	Server Options
FJPLEMIA/Concurrent Design Manager Client Options	
FJPLEMIA/Concurrent Design Manager Server	

(Note) A server license is required to run ClientCore, Client Options, or Server Options.
A ClientCore license is required to run Client Options.

System Requirements

Operating system requirements and other information

- **Application Server** : Microsoft Windows Server 2012 R2 or Microsoft Windows Server 2016 or Microsoft Windows Server 2019, Oracle 12c Client or Oracle18c Client or Oracle 19c Client
- **Database Server** : Microsoft Windows Server 2012 R2 or Microsoft Windows Server 2016 or Microsoft Windows Server 2019, Oracle 12c Server or Oracle18c Server or Oracle 19c Server
- **Bulk Server** : Microsoft Windows Server 2012 R2 or Microsoft Windows Server 2016 or Microsoft Windows Server 2019
- **License Server** : Microsoft Windows Server 2012 R2 or Microsoft Windows Server 2016 or Microsoft Windows Server 2019
- **Clients** : Microsoft Windows 7or Microsoft Windows 8.1 or Microsoft Windows 10
- **Add-on Program Development Environment** ： Microsoft Windows 8.1 or Microsoft Windows 10 64bit, Microsoft Visual Studio 2015 or Later
- **Compliant CAx version** : FJICAD/SX V8, FJICAD/MX V7, FJVPS V15

Hardware System Requirements

Recommended system configuration

- **Application Server** : CPU : 4 Core or higher ; RAM: 16GB or more
- **Data base Server** : CPU : 4 Core or higher ; RAM: 16GB or more

OS and hardware requirements will be updated in the future.