ASSET REVAMPING

OPEN
CASCADE

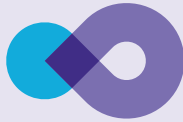**ASSET REVAMPING**

Hybridizing in the field laserscan and 3D models to optimize assets revamping

At a time when CapEx control, time to operate and asset availability are strategic performance drivers, the Asset Revamping is specifically designed to optimize vertical and linear assets revamping.

By interactive mixing of extensive volume of data, between 3D models and laserscans, leveraging Capgemini's cutting edge Open Cascade 3D technology and web browser capabilities, our asset revamping platform enables easy life-size simulations, reduces mistakes and improves cycles times.
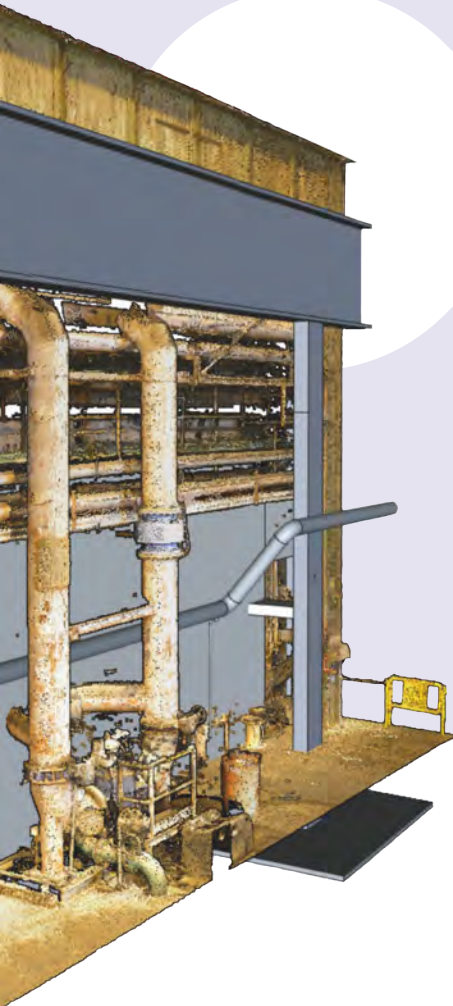
Have you ever experienced the burden of:

- Integrating a new industrial equipment in an existing factory?
- Increasing manufacturing output and capabilities without any building extension?
- Renovating a rundown plant or building with very limited technical documentation?

Thanks to hybrid modelling enriched with powerful functions, this solution enhances:

- Explorations, analyses and simulations of large assets operations: maintenance, inspection and revamping
- Exact design measurements and clash management for life-size simulations
- 3D visualization in a 3D interactive environment available for all registered users
- Remote accessibility to extensive volume of 3D data with a single web browser application
- High performance capabilities: collaborative and interoperable.

Asset Revamping is the only platform providing real interactive and easy-to-use 3D hybrid digital mock-up in a web browser on a PC or a tablet

ASSET REVAMPING

Asset Revamping is tailored to your needs and integrated into your end to end use cases

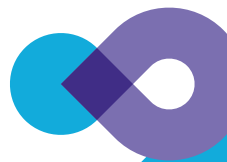- Powered by Capgemini with no third party software licensing

- High performance capabilities and state of the art ergonomics

- On demand platform customization, integration and support

- Plug and Play deployment

Touch-screen friendly interface

All operations via web browser

Multi-user collaboration via scenarios

Hybrid measurements in interactive 3D

Hybrid positioning & clash simulation

Easy and intuitive access for large population of users:
• Operation service of assets
• Maintenance services
• Engineering offices
• Inspection services
• Quality assurance
• Security services
• Support services

ASSET REVAMPING

Powerful 3D data interactions…

• Hybrid Asset Digital Mock-up (3D CAD, laserscans, 3D plant design,…) without size limit
• High performance 3D visualization and manipulation
• Creation and manipulation of hybrid 3D objects
• Annotations, Attachments, Attributes & Tags
• Hybrid measurements and alignments
• Static and dynamic clash analysis
• User scenarios to be prepared, played and shared

… in a smart and easy to use web application

• No client installation - all from a web browser
• All asset 3D data in one place with multiuser access
• User friendly behavior and touch-screen ready
• Full interactive 3D manipulation of big scenes
• Cloud compliant for data centralization and decentralized operations
• Installation on dedicated servers or in a secured cloud

It is a software development company which is laser-focused on digital transformation of industries through the use of 3D technologies.

Open Cascade offers a wide range of high-performance proprietary 3D software tools both open-source and commercial. The first ones have been developed, maintained and continuously improved since 2000. Whereas the second ones have been progressively aggregated in the Commercial Platform based on which the company offers creating modern tailor-made industrial solutions that meet even the most sophisticated client's requirements.

Moreover, Open Cascade expands its portfolio by offering end-user industrial software products and delivering software customization and integration services. Open Cascade provides its solutions and services worldwide. The company is a part of the Capgemini's Digital Engineering and Manufacturing Services global business line.

Learn more about Open Cascade at

www.opencascade.com

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Backing your path to 3D