

Andy^{3D}

Asset Revamping
Web Platform

Capgemini 



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 Andy^{3D} Asset Revamping Web Platform 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: standalone, mobile, collaborative and interoperable.

Andy^{3D} Asset Revamping is the only platform providing real interactive and easy-to-use 3D hybrid digital mock-up in a web browser from any device



All operations via web browser

Touch-screen friendly interface

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



Multi-user collaboration via scenarios

Hybrid positioning & clash simulation

Fully applicable and compliant for installation, revamping and renovation of assets:

- Vertical and linear
- Industrial, infrastructures, building and naval

Hybrid measurements in interactive 3D

Andy^{3D} 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
-  • Multi-device, standalone or mobile use
-  • Cloud compliant for data centralization and decentralized operations
-  • Installation on dedicated servers or in a secured cloud

Andy^{3D}

A suite of apps to be 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

Andy^{3D}, a suite of mobile apps that comes in handy

A global leader in consulting, technology services and digital transformation, Capgemini is at the forefront of innovation to address the entire breadth of clients' opportunities in the evolving world of cloud, digital and platforms. Building on its strong 50-year heritage and deep industry-specific expertise, Capgemini enables organizations to realize their business ambitions through an array of services from strategy to operations. Capgemini is driven by the conviction that the business value of technology comes from and through people. It is a multicultural company of 200,000 team members in over 40 countries. The Group reported 2017 global revenues of EUR 12.8 billion.

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