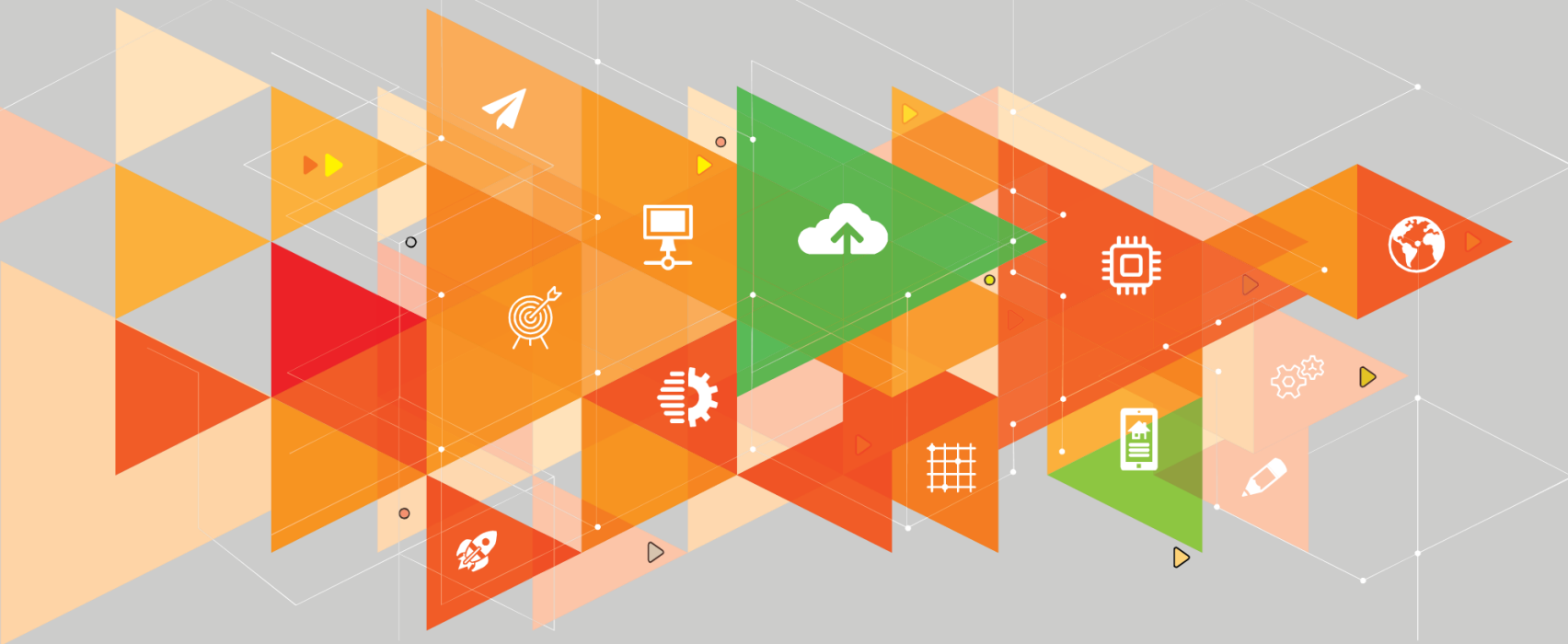




Glovius - Modern CAD Viewer

Product Presentation

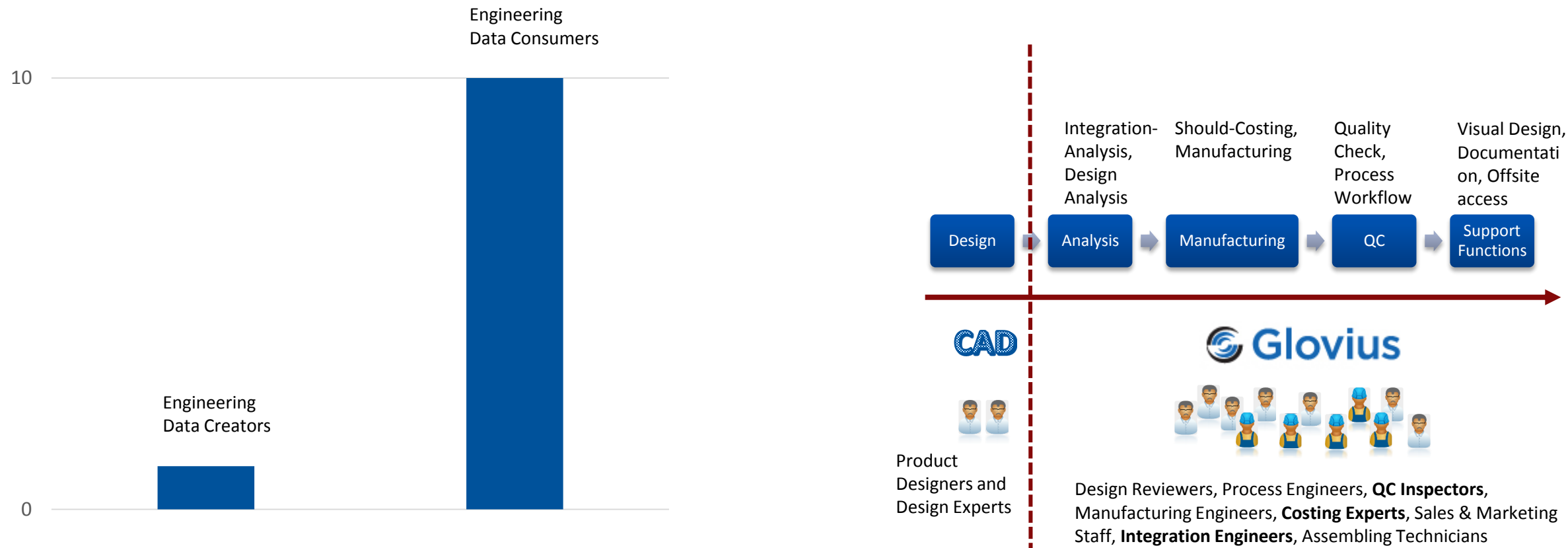


CONSUMPTION OF DESIGN DATA

Requirements and Challenges

Consumption of Design Data

Engineering Data (2D/3D Models) consumption is increasing across the Extended Enterprise

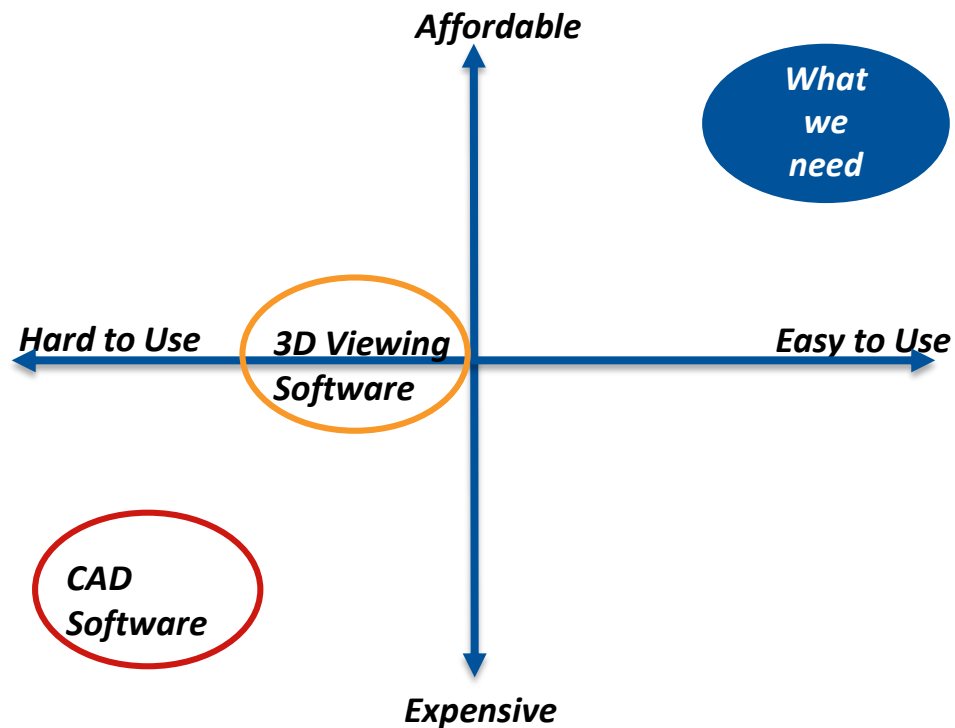


There are 10X Engineering data consumers vs. creators






Consumption of Design Data – Challenges

Software used for consuming Engineering data is still too complex, expensive and Windows only

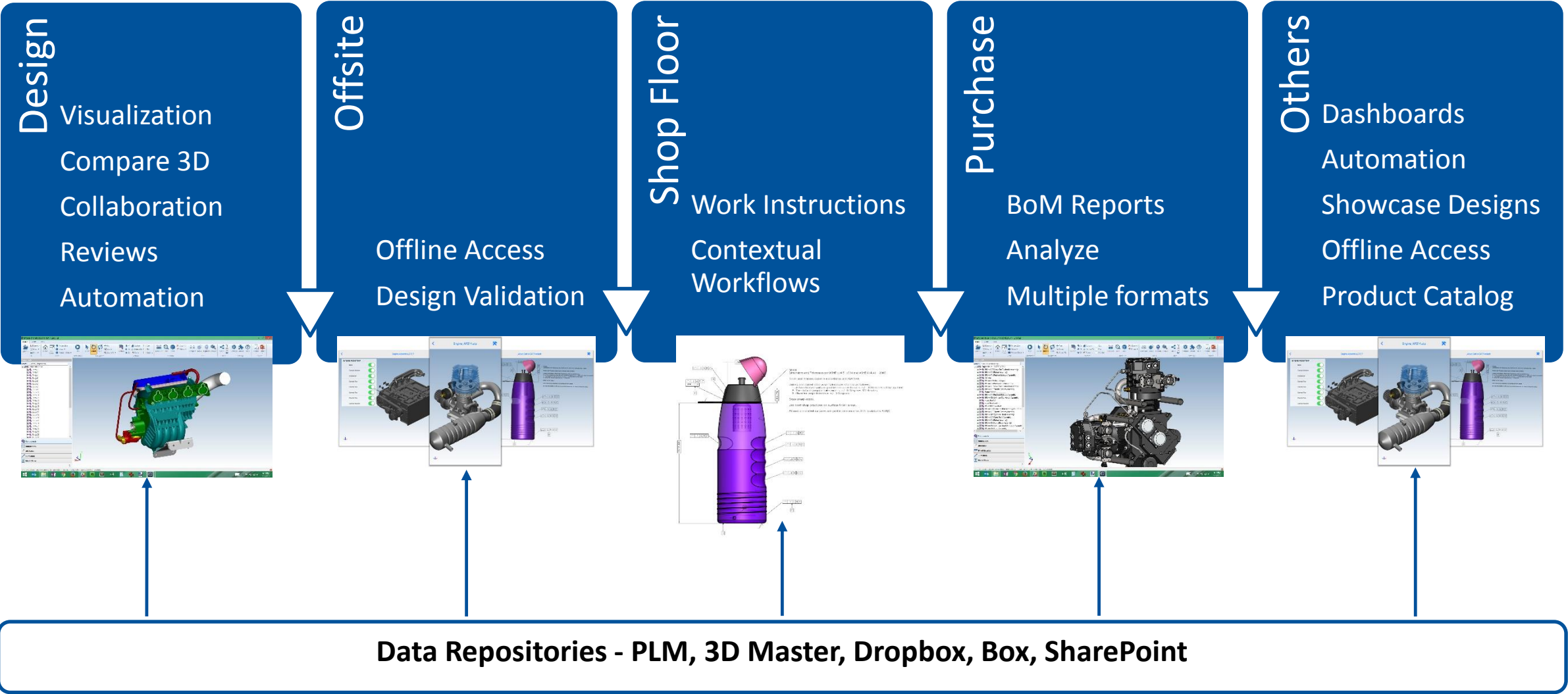
- When used just for viewing, **CAD is complex, expensive** and Windows-only. Modern mobile and web platforms are ignored
- Hidden training, maintenance and installation **costs**
- **Collaboration** is difficult and time-consuming
- **Automation, integrations** and **customization** are not possible

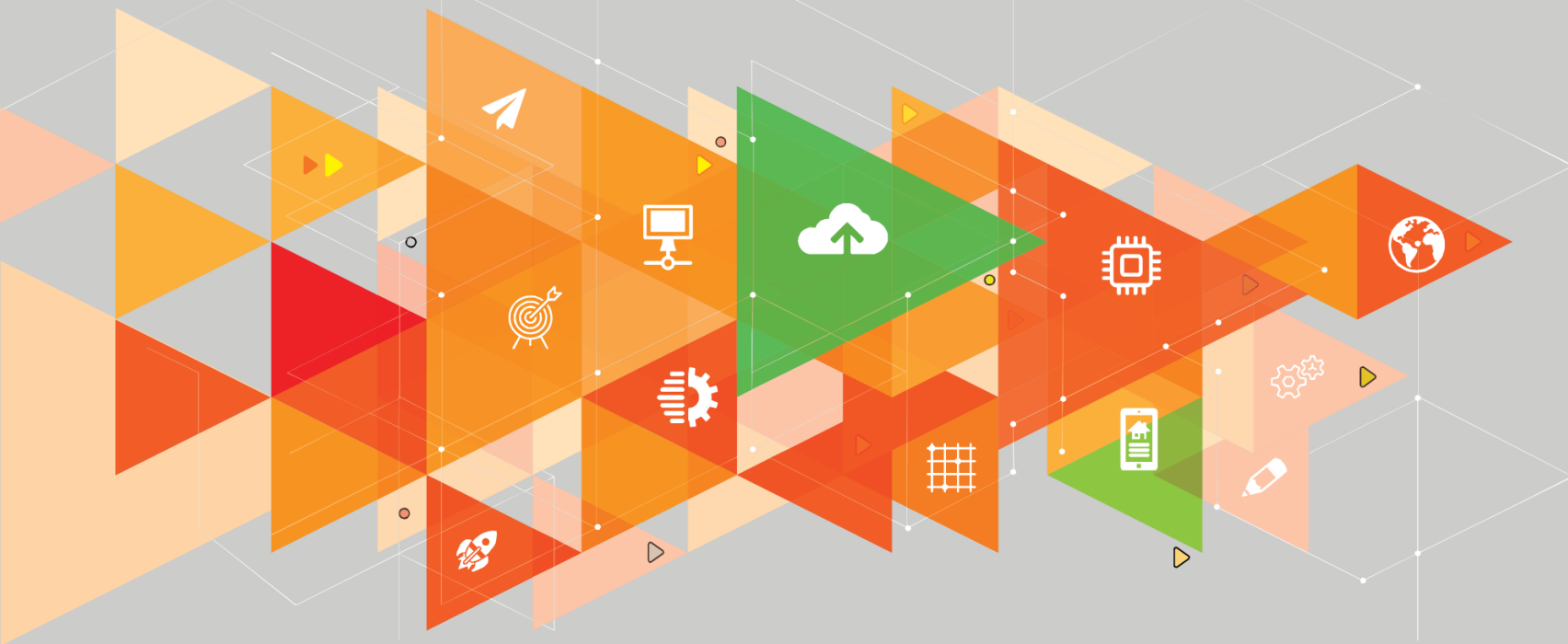


"72% of workers are predicted to be mobile by 2020"
- IDC, US Mobile Worker Pop.

					
3D Viewing Software	✓	✓	✗	✗	✗
CAD Software	✓	✓	✗	✗	✗

Consumption of Design Data - Requirements





GLOVIUS

Modern CAD Viewer for Windows, iOS, Android, and Cloud

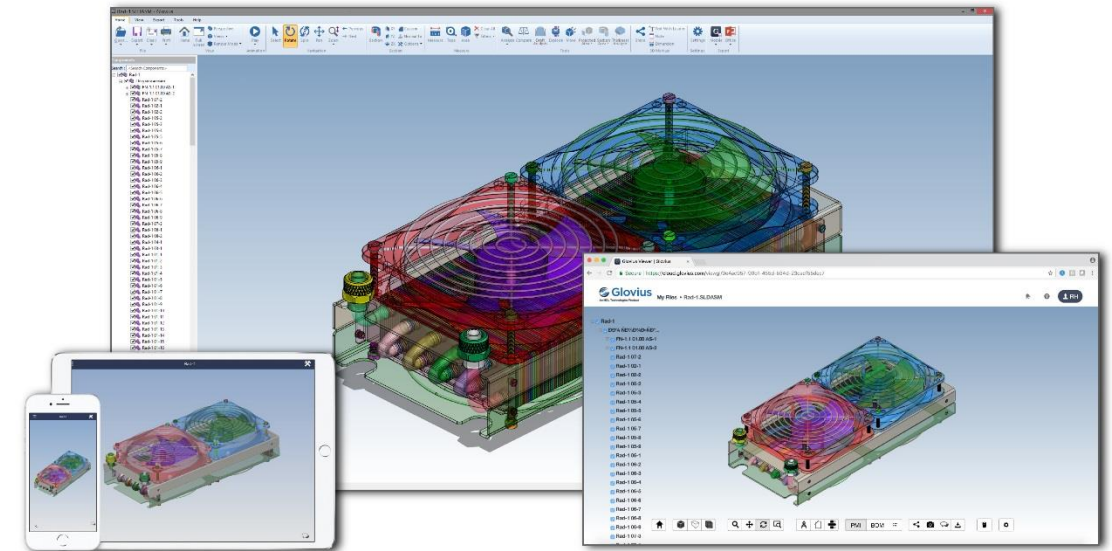
Glovius – Modern CAD Viewer

Modern, multi-platform apps, for consuming Engineering Data

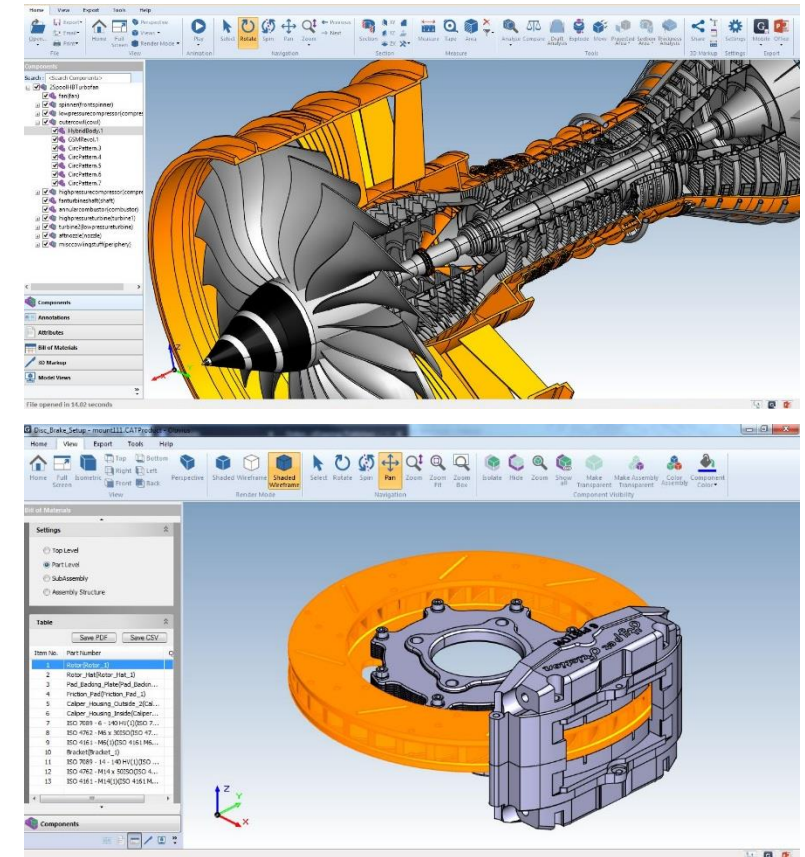
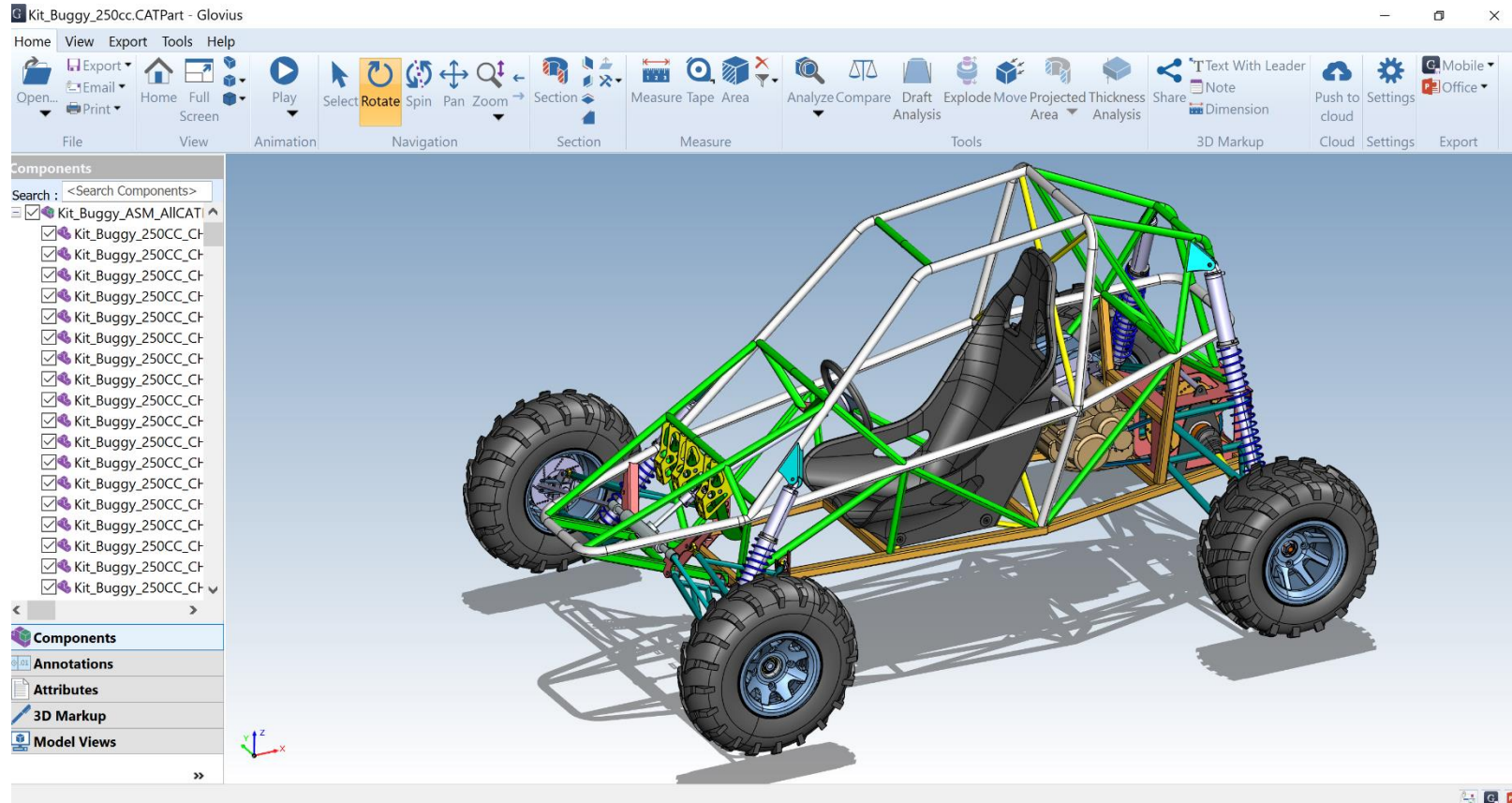
- Modern CAD Viewer for Windows
- Mobile Apps for iOS and Android
- Access 3D from any browser with Glovius Cloud

Benefits

- Get work done anytime, anywhere
- Simple and easy-to-use, no training required
- Make decisions using product data, not snapshots
- Intuitive query and collaboration tools
- Create automation for self-service apps
- Customize & Automate workflows
- Supports industry standard use cases and formats (STEP, JT, 3D PDF)



Glovis for Windows



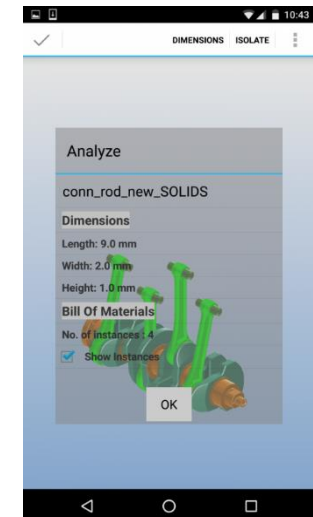
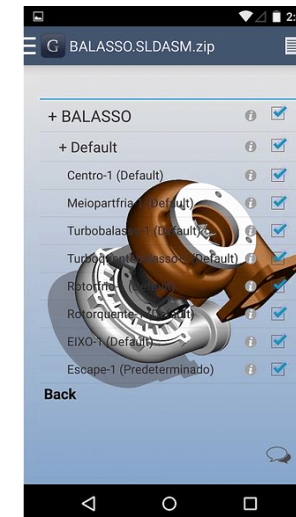
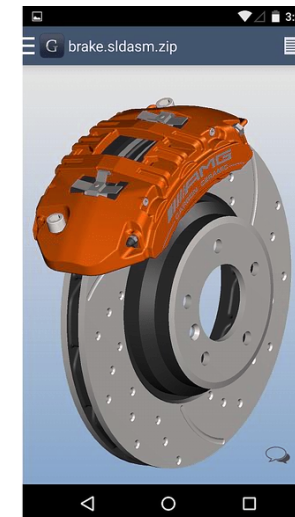
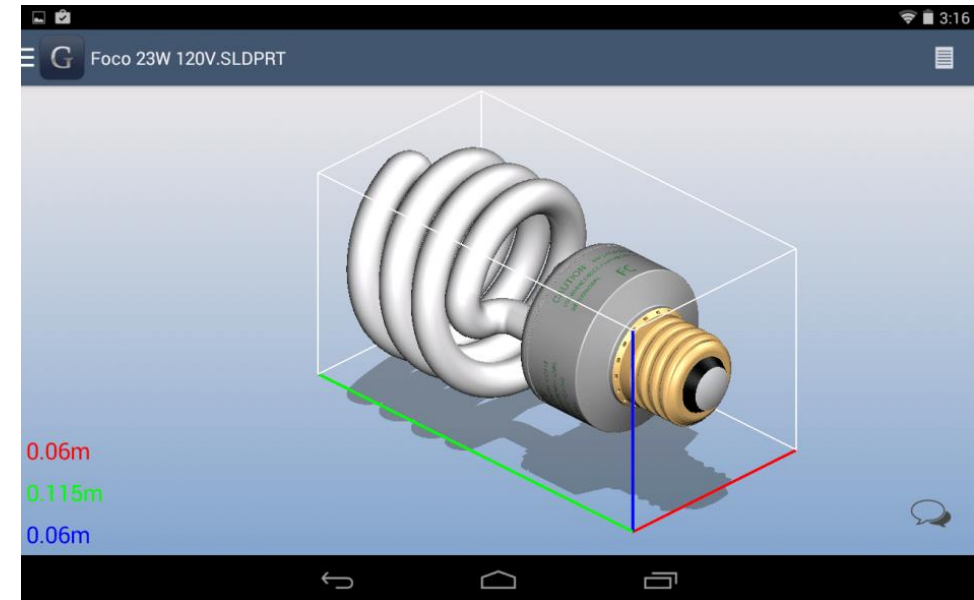
Modern CAD Viewer for Windows

- ▶ Simple, easy-to-use and instantly familiar
- ▶ Powerful tools for Measurement, Sectioning, BOM, Comparison, Collaboration and Export

Glovis Mobile Apps

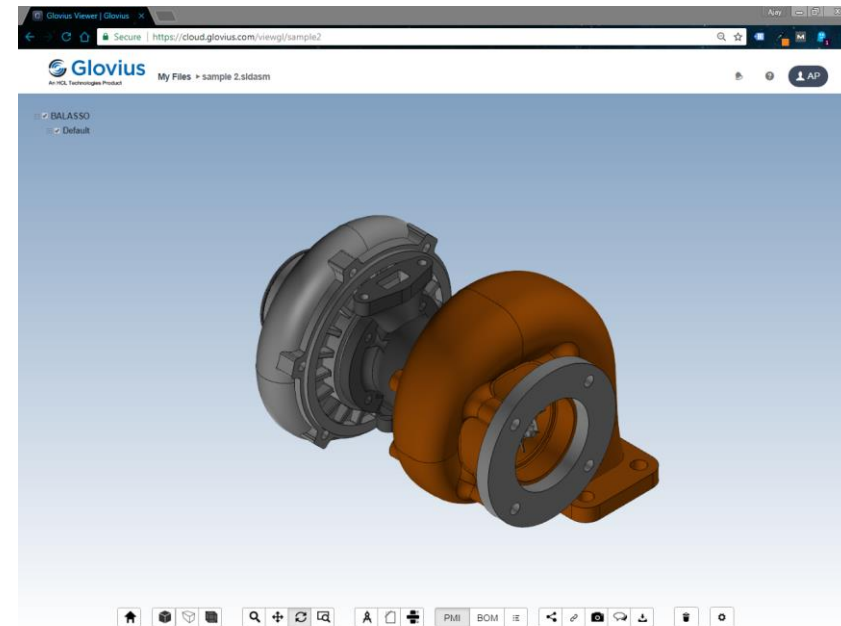
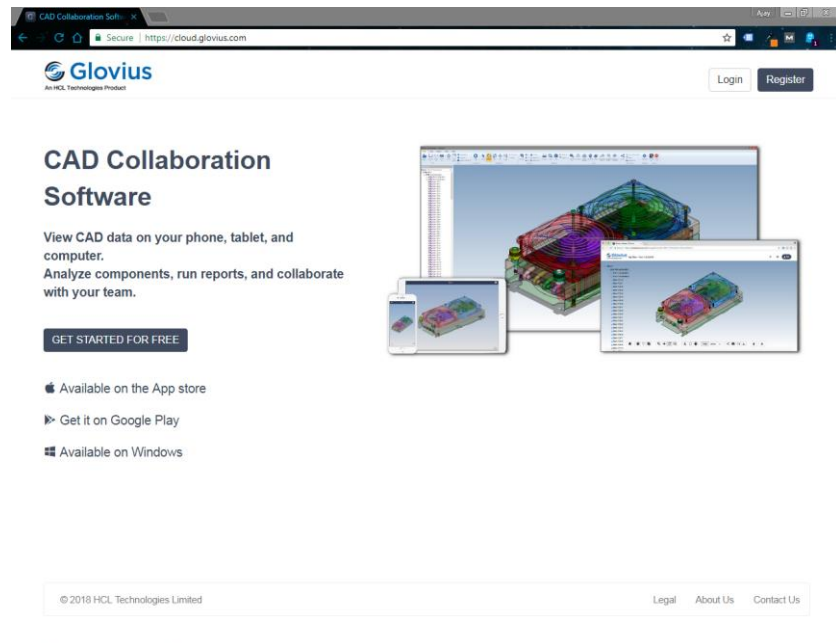
Showcase, review & collaborate on 3D designs on the go

- Access 3D Models, Share Feedback and Collaborate on the go
 - High performance 3D viewer for iPhone, iPad and Android
 - Add and view comments with Mobile Notifications Support
 - Work offline, in the absence of WIFI/cellular connectivity
-
- **Visualize** 3D models with Intuitive touch gestures
 - **Check Meta data** like Product Structure, PMI, BOM and Attributes
 - **Collaborate** with Free hand, Text Markup tools and Snapshots
 - **Analyze** 3D models with simple measurements and Dynamic sections



Glovius Cloud

- **Visualize** 3D models directly in the web browser
- **Check Meta data** like Product Structure, PMI, BOM and Attributes
- **Collaborate** with Free hand, Text Markup tools and Snapshots
- **Analyze** 3D models with simple measurements and Dynamic sections
- **Embed / Share** links to your 3D files



Select Customers

Automotive



Manufacturing

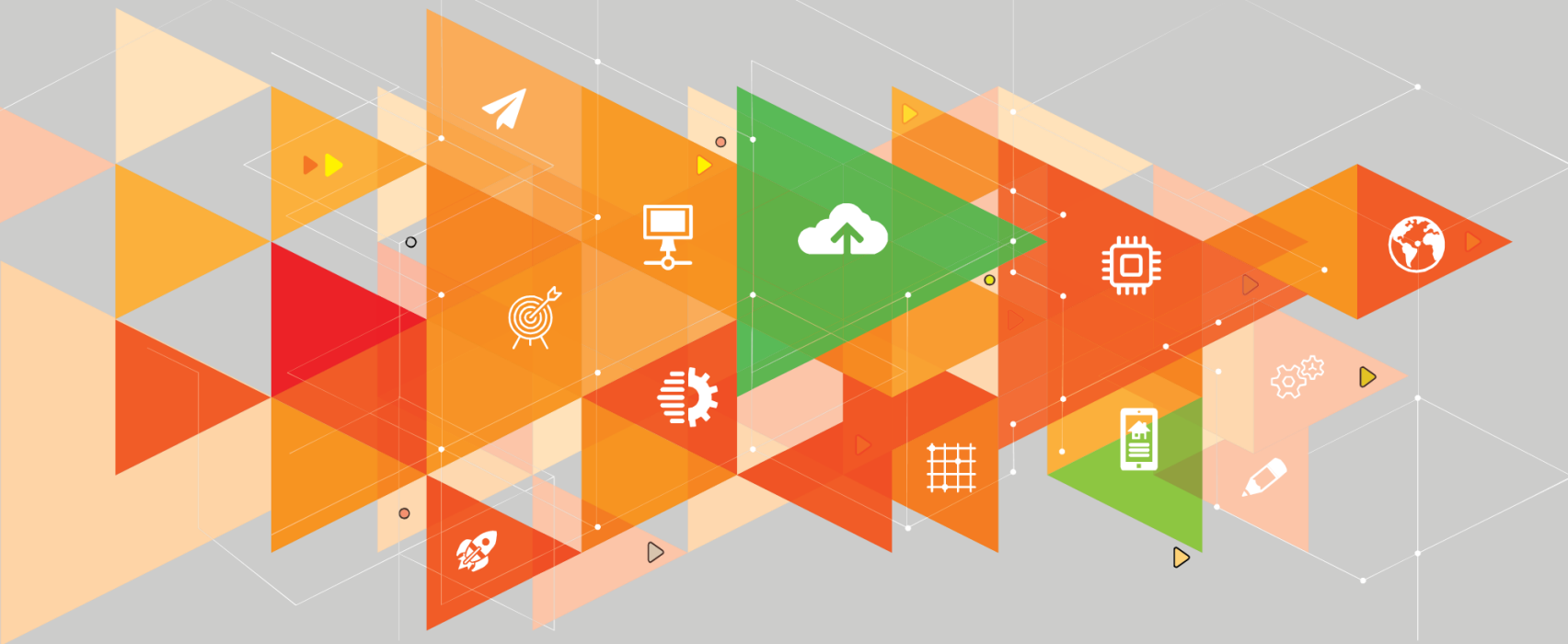


Aerospace



Select Customer Quotes

- ▶ "Advanced Systems and Controls uses Glovius in it's estimating department. **Estimators** need the ability to open and view a wide variety of customers drawings and Glovius gives us that capability." - **Kevin Pray**, [Advanced Systems & Controls Inc.](#)
- ▶ "I rely on Glovius to open files from customers for viewing and **quoting** their projects. It's been a great help especially from a cost standpoint because I **do not need a complicated viewing program.**" - **Jeffrey Geib**, [West Bend Plastics Inc.](#)
- ▶ "I really like your product. Very helpful for someone in **aerospace** who does **a lot of quoting** and has to open a lot of different types of files." - **Pat Rowell**, [Cutting Dynamics, Inc.](#)
- ▶ "Due to Glovius we have **reduced our overall CAD resource budget** ... Implementing Glovius ... has also introduced efficiencies as an engineer can now view the model using the PC at their own desk ..." - **Adam Schmitt**, [Premcar Pty Ltd.](#)



ENTERPRISE VISUALIZATION

Case Studies

Case Study – Enabling estimation teams to quote faster

Leading Automotive Tier-1 Supplier serving Multiple OEM partners
Quickly Access and Estimate the Cost of Components to win projects



Challenges

- OEM's share 3D data in different CAD formats
- Multiple tools needed to accomplish task of quickly generating the quotation for a component
- Lack of reporting tools



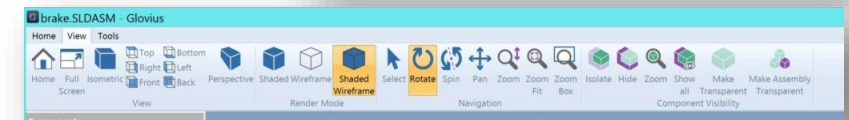
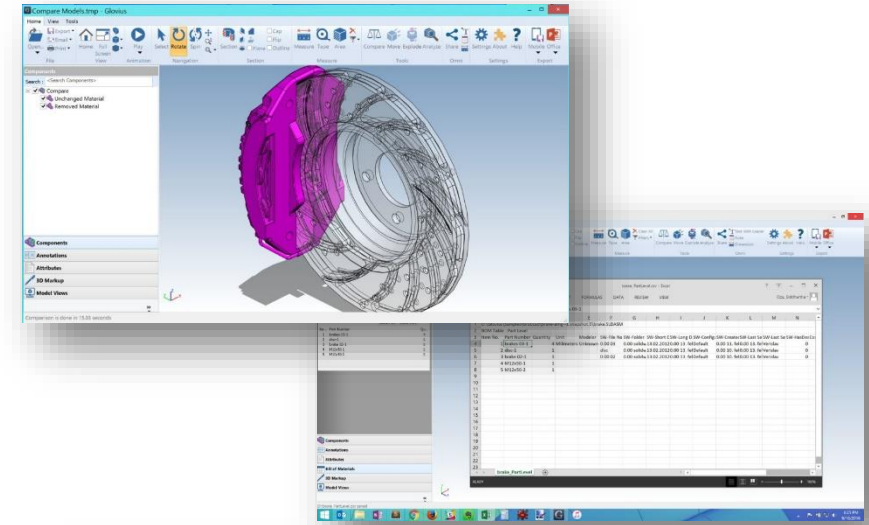
Solutions

- Glovius tools and functions developed for estimation teams
- Glovius functions for Fast Visual Analysis, BoM reports, Measurement and Compare tools



Benefits

- Single application to View Multiple 3D file formats. License cost savings of more than \$500,000
- Improved turn around time for quotations
- Lower IT and training spend



Lower license, hardware and training costs. No dependency on CAD applications for quotes.

Value delivered



Specialized tools and functions enable increased accuracy and fast quotation

Case Study – Digitize technicians' workflow

Japan's leading manufacturer of Automobiles and Motorcycles
Digitize technicians' workflow on the shop-floor by enabling 3D design access on multiple platforms



Challenges

- Use of paper drawings for technical references
- Lack of traceability and inability to capture work data seamlessly for process improvements
- Integration with multiple backend systems



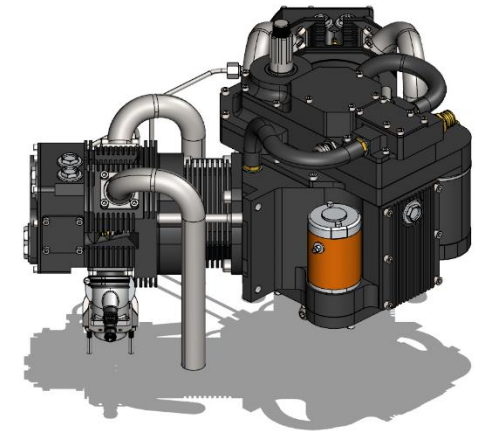
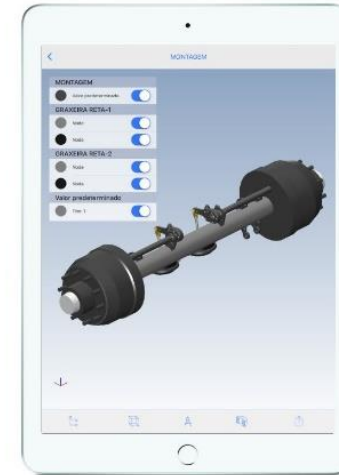
Solutions

- Glovius deployed on multiple platforms viz. iOS, Web browser, ActiveX and Windows desktop app.
- Integrated Glovius with existing IT infrastructure to present a unified User Experience for technicians



Benefits

- On demand access to designs, replacing paper drawings.
- Multi-platform solution that repurposes existing assets for new use cases
- Up to \$1Mn saved in license, maintenance and training costs



Digitize the workflow for technicians enabling real-time feedback loops

Value delivered



Multi platform strategy re-uses the solution for multiple use cases

HCL

*Relationship*TM
BEYOND THE CONTRACT

\$7 BILLION ENTERPRISE | 115,000 IDEAPRENEURS | 32 COUNTRIES

 **WATCH THE FILM**



Thank You!

support@glovius.com