RC7374 - Meet the Reality Computing Innovators!
ReCap Booth #268 – Wednesday, Dec 3, 6:30 – 7:30 pm

Dominique Poulquen
Marketing Director, Reality Solutions, Autodesk
#recap360
EdgeWise BIM Suite

- EdgeWise automates the process of modeling as-built conditions from laser scan point clouds. Users report up to a 70% reduction in modeling time using the EdgeWise automated software. EdgeWise is fully integrated with Revit so EdgeWise model elements export to Revit as family objects.

- Use cases
  - Creates as-built BIMs of MEP systems, steel and concrete structure, pipes, ducting, conduit, walls and windows
  - Exports to Revit as family objects

- Booth #283
- Contact
  - Alex Demogines alex.demogines@clearedge3d.com
CultLab3D – On the verge of 3D mass digitization

CultLab3D

- Type of solution
  - Worldwide first, fast and economic 3D mass digitization pipeline
- Specifications
  - 3D digitization in under 10 minutes
- Use cases
  - 3D Scanning of entire collections of cultural heritage artifacts
- Booth #
  - 268
- Contact person
  - Pedro Santos, Fraunhofer IGD, Germany
  - pedro.santos@igd.fraunhofer.de
  - +4916097804959
DOT Product

Phi.3D Software

- Dimensionally accurate mobile 3D mapping
  - SLAM and 3D reconstruction engine for mobile devices
- Specifications
  - Real-time feedback
  - Highly compressed output
  - Compatible with industry standard formats
  - Measurement and viewing on the tablet
- Use cases
  - BIM Data Collection & Analysis
  - As-Built Documentation & Industrial Facility Management
  - Custom Design & Renovation
  - Crime Scene Forensics & Accident Reconstruction
  - Archaeological Documentation & Digital Preservation

- Booth #280
- Contact
  - Tom Greaves, CMO
  - +1 978-766-7050, tom@dotproduct3d.com

Phi.3D operating on the DotProduct DPI-7 handheld 3Dimager

T-Rex, Tesla Model S, Teddy, & Kitchen Scans
Point Sense for AutoCAD, VirtuSurv for Revit

- Type of solution
  - From point clouds to building and plant models
- Specifications
  - Application for AutoCAD and Revit
  - Supports native rcp/rcs format
  - ReCap Photo integration into AutoCAD
- Use cases
  - Industry specific solutions for laser scanning within the AEC industry.
  - Plant 3D, Revit models from point clouds, tank analysis, ...
- Booth #242
- Contact person
  - Scott Diaz (scott.diaz@kubitusa.com, +1 409 8931668)
  - Joerg Braunes (joerg.braunes@kubit.de, +49 163 7176751)
LFM Software Limited / LFM Server

LFM Server

- **3D Data Capture Point-Cloud Solution**
  - Open to Bringing in Multiple Laser Scan and Other Image Formats, and Open to be Viewed in Multiple CAD Formats.

- **Specifications**
  - One Deliverable Source Using Infinite Core Technology. Integrated Bubbleviews, Demolition, Clash-Detection, Measurement, Visualize 3D CAD Models, and Export to AutoDesk ReCap.

- **Use cases**
  - Scanning Medium to Large Facilities to be Used in a Multi-User Collaborative Work Environment.

- **Booth #262**

- **Contact Matthew Craig**
  - Email – Matthew.Craig@lfm-software.com
  - Phone - +1 (832) 372-6212
Skycatch

Technology Type
- Automated progress tracking for construction

Specifications
- High resolution point cloud delivered via fully autonomous UAV - no pilot needed
- Automated progress tracking via novel point cloud / parametric model collision detection
- Currently deployed in some of the largest construction projects in the world

Use Cases
- BIM for construction, oil & gas, & infrastructure

Booth # 281

Contact
Mark Heynen, SVP, Client Operations
mark@skycatch.com
Thinkbox Software

Sequoia

- Point Cloud Meshing
  - Quickly generates textured triangle meshes from large point clouds
  - Use Image Projection for superior color and texture
  - Gas Plant Example: 26M points, 1m 19s to make 28M faces

- Specifications
  - Supports common point file formats (.las, .e57, .pts, .ptx)
  - Generates optimized meshes
  - Saves common mesh formats (.obj, .stl)
  - Use remote machines to do computation of large data

- Use cases
  - Scan to Print, data visualization, virtual sets, vfx

- Booth #282

- Contact person
  - Ian Fraser
  - ianfraser@thinkboxsoftware.com
  - (267) 357-8498