

Orbit 3D Mapping Version 17.0 Portfolio Changes

October 2016
For Orbit GT Resellers Only



INTRODUCTION



Version 17 Portfolio



4 Main Product Offerings

- Content Manager**
 ▶ single desktop product
 tool for data collectors, system owners manipulates imagery, point cloud
- Feature Extraction**
 ▶ 3 desktop products + C/S
 tool to extract points, lines, areas clash detection, profile, volume, blur adds (semi-)automated extraction
- 3D Mapping Cloud**
 ▶ everything online
 next generation web app to store, share, fuse publish content
- Publisher**
 ▶ on premises publisher
 on premises only - web & integrate

The Life of Mobile Mapping data



Who does what ?



	CAPTURE - CONTENT MANAGER	MODEL - FEATURE EXTRACTION	SHARE - PUBLISH
MM SYSTEM OWNER	✓	✓	
SERVICE PROVIDER	✓	✓	✓
END USER		✓	✓

Version 17 - General Highlights



- Top New Features :**
 - Ghost Cleaning
 - Post Capture Alignment
 - Image Only measurements using reference planes
 - Parallel Extraction
 - Fully integrated Slice Viewing
 - Automated Object Detection (Ridge, Road Markings, Catenary, Rails, ...)

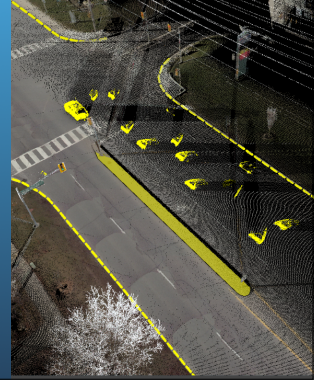
Version 17 - General Highlights



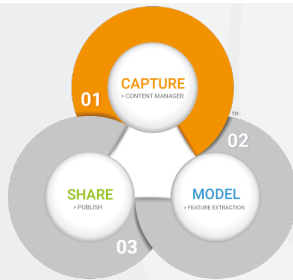
- Overall Usability
 - ▶ Simplified User Interface, Improved User Feedback, Improved Navigation, Fast Production Keystrokes
- Resources and CRS
 - ▶ Enhanced support for WMS and WMTS
 - ▶ Charset and Code page definition for Dataset Structure
 - ▶ Inverse Coordinate System Axis,
 - ▶ Orthometric height EGM2008 & NOAA GEOID12B
 - ▶ Dynamic Transformation between Ft and Metric projected CRS
- Various Enhancements
 - ▶ 360 deg spherical movie generation [VR!]
 - ▶ Optimized 3D Hover Settings
 - ▶ 3D Snapping to Objects and Measurements
 - ▶ Extend Line measurements
 - ▶ Supplementary Attribute formulas
 - ▶ Combine Map 3D, Mobile Mapping and Slice Views in a single Measurement
 - ▶ Countless enhancements, from simple gestures to re-arranged panels and menus
 - ▶ All user feedback bug fixes and more

CONTENT MANAGER

FOR
MOBILE MAPPING DATA COLLECTORS



The Life of Mobile Mapping data



Content Manager product



New tools

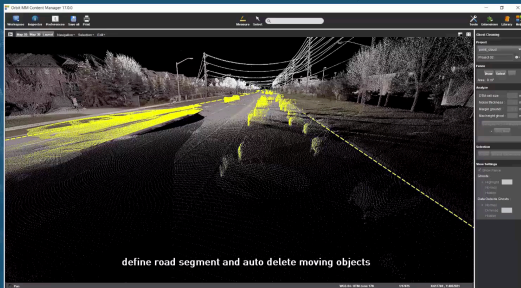
- Import
 - ▶ Added capabilities
- Explore
 - ▶ Slice View
- Verify
 - ▶ Post Capture Alignment
- Adjust
 - ▶ Auto Clean Point Cloud
- Deliver
 - ▶ To the Cloud (v17.1)



ORBIT MOBILE MAPPING - CONTENT MANAGER

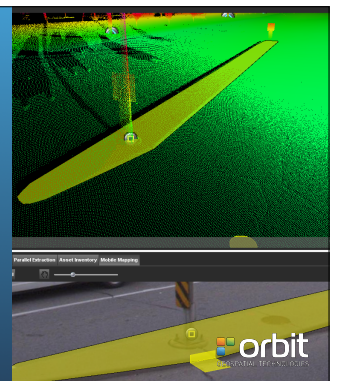
Import - Explore - Verify - Adjust - Deliver

Manage Mobile Mapping data with Capture

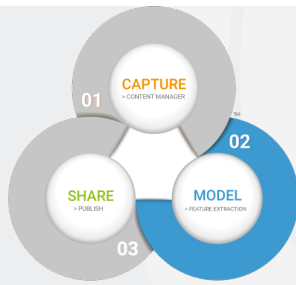


FEATURE EXTRACTION

FOR
DATA PRODUCTION, ANALYSIS,
OPERATIONAL WORKFLOWS



The Life of Mobile Mapping data



Change of Product Names

3 Products in v11

- Feature Extraction Basic
- Asset Inventory Bundle
- Full Bundle



3 Products in v17

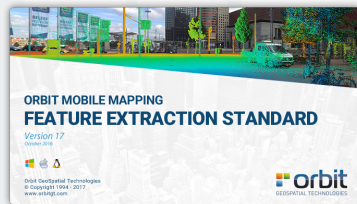
- Feature Extraction Basic
- Feature Extraction Standard
- Feature Extraction Pro

Product are not changed regarding their core differences. Capabilities are improved and added.

Feature Extraction products

New Features in Workflow

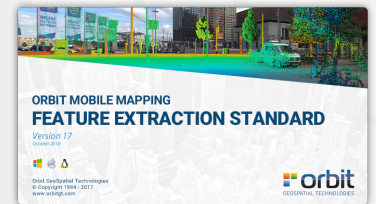
- Import
 - ▶ Added capabilities
- Explore
 - ▶ Slice View, Synced Views, Hover
- Measure and Extract
 - ▶ Semi-Automated Extraction
- Produce & Analyse
- Deliver



Feature Extraction products

Product Updates

- Feature Extraction Basic
- Feature Extraction Standard
 - ▶ Semi-Automated Extraction
 - ▶ Parallel Extraction
- Feature Extraction Pro
 - ▶ Semi-Automated Extraction
 - ▶ Parallel Extraction
- Blur & Erase
 - ▶ New Production version



Semi-Automated Feature Extraction

New tools in Standard and Pro

- Various tools included
 - ▶ Auto-Hover feedback
 - ▶ Ridge Detection
 - ▶ Curbs Detection
 - ▶ Catenary Detection
 - ▶ Road Markings Detection
 - ▶ Rails Detection
- Parallel Extraction
- Image Only measurements
 - ▶ Use overlays as vertical planes
 - ▶ Use estimated Ground
- Slice View
 - ▶ Intuitive combination with 2D, 3D views
 - ▶ Continue measurement in other view

Blur & Erase

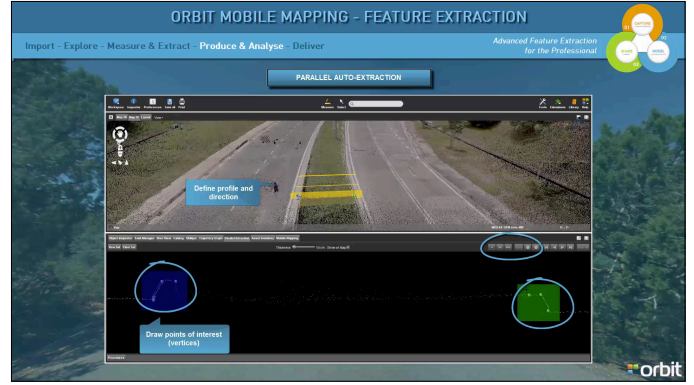
New Production tool

1. Detect, Annotate and Process

- **Detection Service**
 - ▶ Faces & Plates detection
 - ▶ Annotates Areas of Interest in Metadata
- **Blur & Erase Production**
 - ▶ Speed up annotation of Areas of Interest
 - ▶ Simplified manual mass editing

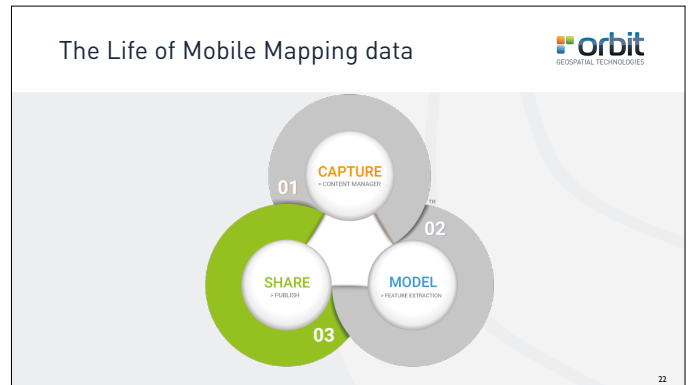
2. QC, Adjust by User Feedback

- **Blur & Erase QC**
 - ▶ Simulate
 - ▶ Process Imagery
 - ▶ Receive user feedback
 - ▶ Adjust and (Re-)Deliver to Publisher/Cloud



PUBLISHER

FOR SHARING OF MOBILE MAPPING DATA

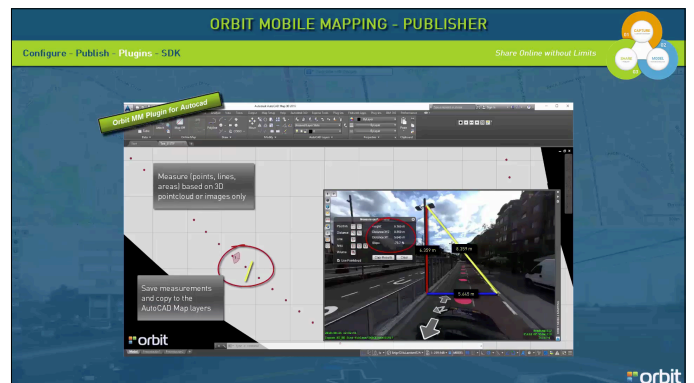


Publisher products

Overview

- Configure - Publish - Plugins - SDK
- Standard Publisher now for *On Premises* only.
- Only 1 Price List
- Major Update planned for Q1/Q2 2017 (v17.1)
 - ▶ HTML 5 viewer
 - ▶ Compatible with Cloud

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UAS Mapping Oblique Mapping Indoor Mapping



UAS Mapping v17



Feature Extraction

- Redesigned to support post-processed data
 - ▶ Pix4D
 - ▶ AgiSoft
 - ▶ Generic Import
- Feature Extraction and Analysis tools
 - ▶ Measure and Register
 - ▶ Clash Detection
 - ▶ Volumetric Analysis
 - ▶ Profiles & Cross Sections

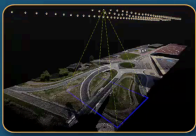


ORBIT UAS MAPPING - FEATURE EXTRACTION

Import Explore Verify Measure & Extract Produce & Analyse Deliver

Going beyond the Point Cloud

Advanced Feature Extraction for UAS Mapping



- Import**
easy-to-use procedure to import processed UAS data imagery and/or LIDAR data
direct import templates for Agisoft, Pix4D, RPrecision UAV, ...
- Explore**
2D and 3D view, slice and original image display
combines UAS data with reference GIS data and add any other LIDAR resource
- Verify**
measure ground control points to verify absolute accuracy
- Measure & Extract**
points, lines, catenary curves, areas
ridge, edge and corner detection
point cloud or forward intersection on imagery
- Produce & Analyse**
asset inventory workflow, parallel auto-extraction
profiles & cross sections, contours, volumes, clash detection
- Deliver**
deliver extracted features for 3rd party software (GIS/CAD)
export snapshots, fly-through movie, results
upload to 3D Mapping Cloud



Oblique Mapping



- Desktop Upgrade
 - ▶ Bug Fixes
 - ▶ Nadir Image Support
 - ▶ Camera Choice Support
- Publisher Upgrade
 - ▶ Bug Fixes
 - ▶ Minor upgrade



Indoor Mapping

First product of New Portfolio



- New Desktop Product
- Support Post processed data from
 - ▶ TIMMS
 - ▶ NavVis
 - ▶ Viametris
 - ▶ Leica Backpack
 - ▶ Vexcel Panther
 - ▶ Generic import
- Desktop Feature Extraction
 - ▶ Floor Plan Builder
 - ▶ Profiles, Clash Detection
 - ▶ Asset Inventory



Availability



Availability Version 17



- Available Today
 - ▶ MM Content Manager
 - ▶ MM Feature Extraction Basic
 - ▶ MM Feature Extraction Standard
 - ▶ UAS Mapping
- Week Nov 28th
 - ▶ MM Explorer
 - ▶ MM Feature Extraction Pro
 - ▶ MM Publisher
- Week Dec 5th
 - ▶ Oblique Desktop
 - ▶ Oblique Publisher
 - ▶ MM Blur & Erase
- Week Dec 12th
 - ▶ Indoor Mapping
- Plugins :
 - ▶ No update required !

Future Release Plans



- Regular Yearly Releases
- Main Version : October - November
- Update : April

Sales Models and Reseller Agreement



Sales Models Update



- Standard Sales remain unchanged
 - ▶ Fixed Purchase Price
 - ▶ Maintenance at 15%
 - ▶ Support via Service Tickets
- Product Related
 - ▶ Major Simplification of Publisher options
- **Subscription model is cancelled**
 - ▶ continue to support existing contracts until expiry
 - ▶ Subscription models to migrate to the Cloud

Reseller Agreement update



Why bother ? Well, it's good for you !

- Major Items
 - ▶ Cloud Selling (see next webinar)
 - ▶ Service Tickets Selling
From now on **10% on Service Tickets !**
- Minor items
 - ▶ Clearer definitions
 - ▶ Better protection clauses
 - ▶ Improved transparency
 - ▶ Reorganised structure
- How to proceed ?
 - ▶ If your credentials haven't changed, just let us know and we'll handle it.
 - ▶ If they did change (address, responsible person), let us know the changes and we'll handle it.
- Any Pitfalls ?
 - ▶ No. There are no supplementary tasks or requirements from your side. There are no different fees or conditions, except the extra Cloud & Service Tickets %

Reseller Trainings planning



- 3 Sessions Planned
- 3 Days @ OGT
- Upgrade Trainings
- First come, first served
- Max 8 persons in total
- *Useful for Newbies*
- **Required for Gold Resellers, every 2 years**
- **Mark these dates today**
 - ▶ Jan 31 - Feb 2
 - ▶ May 9 - May 11
 - ▶ Nov 28 - Nov 30

Thank You

More info : www.orbitgt.com
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