BlackSmithSoft Digital Construction
Fusing Cloud Technology with Construction Management
Why BlackSmithSoft DC

Built by Construction Experts for the Construction Industry

About our Team: Combined 50 Years of Construction Management Experience in Mega projects: airports, office buildings and complexes, universities, oil & gas facilities and infrastructure (roads, bridges, stations,) etc.
BlackSmithSoft DC: People & Technology

➢ Strategy: Don’t Enforce, Buy IN.
➢ Modular System, no need to transform all operations
➢ Adaptable/Customizable to company operational workflow

4D Simulations
Reality vs BIM

Clash Management
On-site Progress Update

Document Management
Constraints Management

Executive Level Reports
Material Management

N-Week Look Ahead
Cost Management

Handover
Lean Planning

Manpower Management

Auto Scheduler
Business Intelligence

#1 tool in the Construction industry is Excel!
Cloud and COVID-19

- Requirement for Remote Work – increased Buy-In for Cloud.
- Using Local Cloud Service Providers. (when required)

Virtual Daily Operations Planning – Sync Instead of In-person Meetings

Buyer/Owner Report/Simulator Instead of Site Visits
BlackSmithSoft DC for Renovation

Key features:
- Integration between point clouds and BIM
- Align scan point-clouds to BIM models.
- Complete, measurable documentation of site conditions on one platform.
- Model Review Tools (with point cloud support)
- Issue Management.

Use-case:
- Remodeling / reconstruction of historic buildings
- Reconstruction of destroyed buildings
- Renovation of hotels...
Use-Case: Rebuilding after the Beirut Blast on AUG-4

➢ Description:
  ➢ **Contractor**: German Company
  ➢ **Architect**: French Company
  ➢ **Donor**: EU based Foundation
  ➢ **Building**: 800 meters from blast center

➢ **Donor Requirements**:
  ➢ Documentation
  ➢ Proof of Damage
  ➢ Proof of Progress
  ➢ Proof of Quantities
  ➢ Images **NOT** enough

➢ Need a Fraud proof **Cloud Solutions**.

➢ **Laser Scan**: 11 GB per Floor
Demo:

BlackSmithSoft DC in Renovation Live Project
Read More

➢ What is BIM: https://www.autodesk.com/solutions/bim/benefits-of-bim
➢ BlackSmithSoft DC: https://blacksmithsoft.com/services/blacksmith-dc/
➢ Buyer Report: https://blacksmithsoft.com/giving-visibility-to-the-buyer/
➢ Mckinsey Report:
➢ Google Draco: https://google.github.io/draco/
➢ GLTF: https://www.khronos.org/gltf/
➢ Autodesk Forge: https://forge.autodesk.com/