



Siavash Mohseni, Lead VDC Engineer

2012 – Present – Hensel Phelps Services Division:Reality Capture – Hensel Phelps Services Division: Develop and implement new technologies and methods to improve BIM/VDC execution across several projects by implementing the use of laser scanning and other technologies. This has led to the introduction of new construction services, including:

- Research and development of intelligent point cloud systems
- Utilizing laser scanner data to create highly accurate floor flatness reports for concrete slabs in accordance with industry standard testing standards
- Establish new work flows to visualize change detection on a project level, allowing clear visibility into production levels and accuracy of work as well as highlight areas and systems which have been demolished
- Work with systems and platforms to support massive data management and project collaboration
- Combining emerging technologies to enhance BIM and FM solutions
- Surface analysis tools to investigate walls, floors, and other surfaces

World's Largest Semiconductor – Chandler, AZ

- Helped train over 100 Field Engineer's in the implementation of laser scanning on a massive scale
- Team executed over 250,000 scans over two year project span
- Streamlined scanning, registration, and QC processes in order to deliver 1,500 registered and QC'd scans daily to support project schedule
- Assisted in developing the business plan for Reality Capture team

Kaiser Permanente – San Diego, CA

- Training and supervising personnel in the implementation of laser scanning for capturing structural content
- Developing new efficient methods to capture in-wall content for hundreds of hospital rooms
- Adding new tools and methods to add intelligent content to the native point cloud data for FM and lifecycle solutions