

# IMD & 3-D SCAN: REPRESENTATIVE CLIENTS

## **Abhe & Svoboda, Inc.**

*Minnesota*

- Hawthorne Bridge, Portland, OR

## **Anderson Construction**

*Portland, Oregon*

- Monitoring during excavation and pile driving (downtown high rise)

## **ARCO Chemical Products Co.**

*Blaine, Washington*

- Vacuum Tower Base Plate Anchor Bolt As-Building and Template Layout. Coker drum prefabrication as-builts.

## **Boeing Corporation**

*Portland, Oregon*

- Anchor bolt installation for giant numerical lathe

## **Christie Constructors, Inc.**

*California*

- I-5 Interstate bridge trunnion repair. Broadway Bridge repair surveying.

## **Harris Group**

*Portland, Oregon*

- As-built dimensions for Intel Aloha facility remodeling and clean room/fab.

## **Hoffman Construction Corporation**

- Various Intel projects
- Genentech
- Control grids
- Monitoring
- High tech facility layout/verification

## **Intel Corporation**

*Hillsboro, Oregon*

- Clean room control and layout.
- As-building for design and clean room modifications.

## **Jacobs Engineering**

*Portland, Oregon*

- BBA Non-Wovens Spinner Alignment and Replacement Quencher Unit

## **Marine Projects: As-building, Layout, & Sonar Array Alignment**

- TODD Pacific Shipyards, Seattle, WA
- Fairhaven Shipyard, Bellingham, WA
- Cascade General, Portland, Oregon
- Global Marine Drilling Company, Houston, Texas

## **Morrison Knudsen Corporation**

- Westside Light Rail direct fixation layout.
- Craneways and steel erection as-builts for Boeing Corp plating shop rehab

## **Oregon Iron Works, Inc.**

*Portland, Oregon*

- Tainter gate-dimensional analysis.
- Tub girder prefabrication verification for freeway overpass.
- Freeway girder full progressive assemblies

## **Port of Portland**

*Portland, Oregon*

- Portland International Airport (PDX) Parking Garage-structural steel deformation survey.
- Garage column steel verification survey.

## **Skanska USA, Inc.**

*Portland, Oregon*

- Steel layout, pre-design as-building, steel verification for Port of Portland and Intel Campus projects.

## **Solaicx**

*Portland, Oregon*

- Pre-design as-builts
- High tolerance grid lines

## **Solar World USA**

*Hillsboro, Oregon*

- Pre-design as-builts
- High tolerance tool layout

## **Westmar, Portland, OR**

- Marine terminal craneway deformation assessment for the Port of Portland

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## **Cascade General**

*Portland, Oregon*

- Glomar Explorer prefabrication.
- Baneasa and Capitano Giovanni rudder assembly projects.
- 124 mwatt Power Barge dimensional control and assembly support.
- Multi-Beam Sonar Installations

## **TODD Pacific Shipyards**

*Seattle, WA*

## **Fairhaven Shipyard**

*Bellingham, WA*

## **Global Marine Drilling Company**

*Houston, Texas*

- Glomar Explorer - Thruster tube alignment verification; Riser hold, moon pool and clevis dimensional analysis.

## **Abhe & Svoboda, Inc.**

*Minnesota*

- Hawthorne Bridge, Portland, OR

## **ARCO Chemical Products Co.**

*Blaine, Washington*

- Vacuum Tower Base Plate Anchor Bolt As-Building and Template Layout. Coker drum prefabrication as-builts.

## **Skanska USA, Inc.**

*Portland, Oregon*

- PDX helix ramp design verification Terminal Access Project;
- Steel layout, pre-design as-building, steel verification for Intel Campus projects.

## **Boeing Corporation**

*Portland, Oregon*

- Anchor bolt installation for giant numerical lathe

## **Christie Constructors, Inc.**

*California*

- I-5 Interstate bridge trunnion repair.
- Broadway Bridge repair surveying.

## **Intel Corporation**

*Hillsboro, Oregon*

- Precise clean room control and layout.
- As-building for design and clean room modifications.

## **Jacobs Engineering**

*Portland, Oregon*

- BBA Non-Wovens Spinner Alignment and Replacement Quencher Unit

## **Morrison Knudsen Corporation**

- Direct fixation layout for Westside Light Rail.
- Craneways and steel erection as- builts for Boeing Corp plating shop rehab

## **Oregon Iron Works, Inc.**

*Portland, Oregon*

- Tainter gate-dimensional analysis.
- Tub girder prefabrication verification for freeway overpass.

## **Port of Portland**

*Portland, Oregon*

- Portland International Airport (PDX) Parking Garage-structural steel deformation survey.
- Garage column steel verification survey.

## **Thompson Metal Fab, Inc.**

*Vancouver, Washington*

- Fish ladder dimensional verification.
- As-built against as-designed verification of high pressure dome claddings. First Powerhouse surface collector prototype.

## **Solar World USA**

*Hillsboro, Oregon*

- Pre-design as-builts
- High tolerance tool layout

## **Solaicx**

*Portland, Oregon*

- Pre-design as-builts
- High tolerance grid lines

## **TOSCO Refinery**

*Ferndale, Washington*