



PROJECT PROFILE

SOLAR AUTOMATION ASSEMBLY SUPPORT

CLIENT CHALLENGE

Our client is an international designer and builder of large scale automation systems. The client had an immediate requirement to establish assembly protocols for repetitive manufacture (REM) of a series of complex Solar automation systems. A large set of undocumented models were available that had the following issues:

- Incomplete and inaccurate fasteners.
- Design assembly files not representative of actual assembly sequence.
- Design changes occurring con-currently.
- Incomplete work instructions.

SOLUTION

Palladium was retained for our automation and manufacturing expertise to prepare the required assembly protocols. The documentation was required to assist in repeatable automation system manufacture. In effect, turning it from a single build automation system to a low volume manufactured product. Extensive interaction with the client was required to correctly capture the assembly processes and design changes. Expertise was required to:

- Reassemble the design models into as-built models that truly represent the assembly process
- Incorporation of additional fasteners missing in the design models
- Customization of BOMs using Custom Properties and macros.
- Incorporation of on-going design changes.

PROJECT HIGHLIGHTS

Palladium delivered the project within time and budget constraints due to our :

- Design, manufacturing and automation experience minimized the learning curve to the client.
- Use of up to date electronic documentation collaboration tools.
- Efficient project management that anticipates project problems and provides solutions before the client has to ask for them.

