



Heavy Equipment Manufacturer

Industrial and Manufacturing Engineering

General Description

- This heavy equipment manufacturer is in the process of setting up new facilities around the world to meet heavy demands for mining equipment
- TPT was engaged to create a “Global” assembly process to optimize build flow including build sequence, suggested manning, tooling requirements, and material flow
- TPT would document the improved build process and then assist in transferring the knowledge to help set up plants in Europe, South America, and Asia

Scope

- Document standard work, perform MODAPTS to optimize times required per operation and implement changes
- Develop the optimized build sequence
- Create a document and process that would allow this heavy equipment manufacturer to duplicate the processes at new facilities being built in China, Brazil and Belgium
- Implement and train engineers from the new facilities

Success



TPT delivered plant start-up documentation and improved throughput from 3.7 to 7.8 units/day allowing for \$160 million in additional throughput