

For over 44 years, CKGP/PW & Associates, Inc. employees have been providing a broad range of engineering services to support a globally diverse client base.

- **Manufacturing Engineering**

- Advanced Process/Facilities Planning
 - Consolidation Studies
 - Plant Transfer/ Project Plans
- Plant Decommissioning
- Integrated Process/Facility Layouts
- Process Validation/Simulations
- Conveyor and Process Equipment Design/Troubleshooting
- Equipment Installation Engineering
- Automated Equipment Design
- Electrical/Mechanical Bid Specification Development
- Procurement Support

- **Paint Process Engineering**

- Process Planning/Troubleshooting
- Bid Specification Development
- Process Equipment Engineering
- Booth and Oven Balancing
- Utility Usage/Optimization Analysis
- Paint Automation & Throughput Simulations
- Contractor Design and Fabrication Management

- **Energy Services**

- Inspections, Audits & Reports
- Energy Management Systems Plans
- Energy Systems Upgrade Design
- Project Management
- Maintenance Systems and Plans

- **Facility Engineering**

- Site Analysis
- Demolition Requirements
- Square Footage Requirements
- Fire Protection Systems
- VOC Abatement System Design
- Building Utility Requirements
- Building and Truck Dock Configuration
- Energy Management Systems
- Process Ventilation
- Material Storage Requirements

- **Materials Planning & Logistics**

- Lean Material System Planning
 - Kanban
 - Kitting
 - Plan for Every Part (PFEP)
- Warehouse Optimization
 - Layout & Labor Efficiency
 - Inventory Analysis
- Material Flow Simulations
- Sub-Assembly Process Design
- Work In Process Reduction
- Container Design
- Warehouse Design & Optimization

- **Industrial Engineering**

- Man/Machine Cycle Time Analysis
- Work Measurement
- Discrete Event Simulations
- Direct & Indirect Labor Studies
- Workstation Layouts
- Line Balancing
- Ergonomic Assessments
- Methods Analysis

- **Lean Manufacturing**

- Systematic Layout Planning
- Lean Implementation Support
- 5S
- Value Stream Mapping
- Value Added / Non-Value Added Assessments
- Kaizen Events
- SMED Analysis
- Error Proofing
- Standardized Work

- **Construction Management**

- Critical Path Scheduling
- Master Layout Maintenance
- Contractor Coordination
- Program Reporting
- Controls Engineering
- Cost Modeling
- Material Tracking Systems

