



An ATN Services Company

# Professional Industrial Consultants

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**2020-2074**

## Project Mechanical Engineer Conveyors Location Royal Oak

### Summary:

We are looking for Mechanical Project Engineer with solid conveyor industry experience. Project Engineer will be responsible to supervise and coordinate all aspects of engineering, manufacturing, and installation of material handling systems and will be working closely with the Project Manager(s).

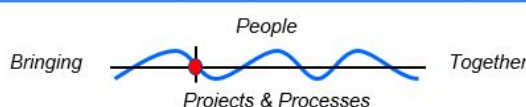
### Responsibilities:

- The Project Engineer will be responsible for engineering design, general layout, studies, calculations and documentation relating to customer conveyors, equipment, process, tooling, and structures using company's conveyor product lines as well as competitors. Directing and checking the work of other team members and providing Technical Support when required.
- Conduct structural and engineering calculations, beam and columns sizing, conveyor weight, point loading and kip loading, size cover plate, base plates and column pads, cylinder sizing, shaft sizing, and motor sizing.
- Select structural member sizes (plates, bars, shapes, etc.) and specify fasteners and weld requirements.
- Design and formulate a plan and conceive practical solutions to technical problems; familiar with tolerance practices; out-of-box thinker. Knowledge of AutoCAD is required will be responsible for light design.
- Create workable layouts of conveyor path, solving bottle necks, responsive to production rate and physical space
- Conduct and document timing studies of automation, equipment, units, systems, and conveyors.
- Create, edit and issue work orders, BOM's and Check drawings of others following the work instruction.
- Know industry conveyor product line, familiar with track drops & trolley bites and relevant customer specifications, codes and practices.
- Conduct a chain pull including CP-Plus, support chain pull activities including creating maps, gather data, input data, assist in physical pulls.
- Develop work assignments for others, responds to Project Goals and timing.
- Produce Failure Mode Effect Analysis (FMEA) documentation, hold meeting and reviews with customers
- Create update and issue maintenance and system manuals.
- Attend meetings, visit client's facilities and suppliers build shops, participating in field checks.
- System Startup assistances and Monitor & Assist Subcontractors, including engineering sub when Required.
- Provide training and examples to less experienced engineers, CAD operators and design engineers.
- 10% travel

### Required Skills /Education

- MS Office Outlook, Word, Excel, MS Office
- AutoCAD 2002 or higher. AutoDesk Inventor 3D highly Desired
- B.S.E. preferred with 7 yrs experience or equivalent work experience.

♦ OVERALL PROGRAM / PROJECT MANAGEMENT  
 ♦ MASTER PROGRAM / PROJECT SCHEDULING  
 ♦ TECHNICAL SUPPORT / CONTINUOUS IMPROVEMENT  
 ♦ ENGINEERING / FABRICATION / TESTING / LOGISTICS  
 ♦ INSTALLATION / QUALITY / INITIAL ACCEPTANCE  
 ♦ COMMISSIONING / LAUNCH / FINAL ACCEPTANCE



STAMPING / PRESSES / MILLS ♦  
 BODY SHOP TOOLING / AUTOMATION ♦  
 PAINT FINISHING SYSTEMS ♦  
 GENERAL ASSEMBLY TOOLING ♦  
 MATERIAL HANDLING / CONVEYORS ♦  
 PLACEMENT SERVICES ♦