

"360's industry knowledge is amazing. We were not sure where to start. They quickly laid out a plan that met our operational needs and executed it, under budget. Today we are far exceeding our throughput goals. We'd recommend 360 Rail Services to anyone who owns or operates rail"

- ENERGY SECTOR CLIENT

### **360 RAIL SERVICES**

360 Rail Services is an end-to-end rail industry services provider specifically formed to create an integrated one-stop, full-service solution for customers seeking quality professional rail services. With well over 150 years of combined railroad and project management experience, 360 Rail Services offers industryleading, comprehensive rail services and project delivery in Colorado, Texas and throughout the United States, and Canada.

Our award-winning design, innovative problem solving, and budget-conscious approach has made 360 Rail Services a preferred track infrastructure provider for industries large and small. 360 Rail works in stride with Class 1's and Short line railroads as well as smaller businesses with a few hundred feet of track to municipalities and larger companies with miles of infrastructure.

360 Rail's full-service approach provides our clients with seamless integration to multiple in-house disciplines:

• Engineering

- Simulation Modeling
- Construction
- Maintenance
- Geospatial Mapping
- Signaling
- Operations

We believe transparency and integrity are corner stones to developing lasting relationships with our clients. We'll work diligently to earn your business by offering insightful project planning and regular updates throughout the entire process. With competitive pricing and outstanding workmanship, 360 Rail Services is ready to take your project from concept to completion.

#### **KEY POINTS**

- Award-Winning Solutions
- Innovative Full-Circle
  Approach
- Extensive In-House
  Capabilities
- 150 Years of Experience
- Transparency and Integrity



#### ENGINEERING

Our award-winning engineering team provides an innovative approach to solving the unique challenges that come with railroad coordination, track design and operating plan development. By offering a comprehensive, full circle approach, we can take on any project at any stage from concept to completion.

With decades of experience, we've established a broad list of in-house services and cutting-edge technologies that deliver the highest quality at the best value.

Our Engineering services include but are not limited to; project feasibility studies, conceptual track design through 100% construction plans, railroad coordination and approvals, general civil and site design, drainage design, utilities coordination, structural design, consulting on operating plans, building specifications and construction support.

We begin every project with a thorough understanding of your existing operations and the problem we've been tasked to solve. Throughout the design process, we incorporate value engineering design principles which can substantially reduce typical construction costs. Additionally, when using our in-house track construction services, we're able to start your project sooner since detailed build drawings are not necessary.

360 Rail has an extensive portfolio of track and infrastructure design projects for clients in both the private and public sector, from coast to coast. 360 Rail is ready to help you design a track that meets your operational needs...and budget.

### **KEY POINTS**

 Award-Winning Engineering & Track Design

ENGINEERIN

- Innovative Full-Circle
  Approach
- Extensive In-House
  Capabilities
- Cutting Edge Technology
- Value Engineering Design Principles



### CONSTRUCTION

Whether your construction drawings come from our internal Engineering department or from others, our highly rated track construction team will deliver your project on time and within budget by utilizing over 100 years of combined knowledge and experience, well maintained equipment and the latest technology. 360 Rail Services is committed to continuous improvement, a mindset which has produced an industry leading team of skilled tradesmen equipped with the tools and expertise to take on any project.

Our Construction services include but are not limited to: Installation of new or rehabilitated track and switch infrastructure, flat yard track to super elevated curved track, timber tie/steel tie/concrete tie construction, embedded track, surfacing & dressing, spill containment, civil/earthwork services, grade crossings, signaling systems and much more

360 Rail Services initiates every construction project with a comprehensive meeting to gain a clear understanding of your project goals, budget, timeline, etc. Together we will create a realistic construction plan to meet your needs and budget. Our professional, safety-focused crews and supervisors will ensure your project is completed to the highest standards and without incident.

Transparency is vital to both our clients and to us. We will provide consistent project updates and openly discuss any challenges we are facing while offering solutions to overcoming them. 360 Rail Services promises to be your trusted partner throughout the construction process...from concept to completion.

### **KEY POINTS**

• On-time, On Budget Project Completion

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- Extensive Industry Knowledge and Experience
- Highly Skilled Tradesmen
- Site Specific Safety Program
- Transparent and Adaptable to customers' needs
- Value Engineering



#### MAINTENANCE

360 Rail Services' Track Maintenance team provides our customers with an expert understanding of what is needed to ensure their track stays functional, safe, and compliant. When you partner with 360 Rail Services, you are partnering with North America's premier provider of track maintenance and repair. We pride ourselves on being knowledgeable, responsive and budget conscious.

Poorly maintained track can have a costly impact on operations and revenues, therefore, performing regular track inspections and adopting a sound preventative maintenance program is crucial. With an average of 25-years' experience, our qualified track inspectors are unmatched in the industry and provide our customers with FRA qualified track inspections, detailed inspection reports, and a prioritized list of any found defects as well as a cost estimate to correct. In addition to boots-on-the-ground track inspections, 360 offers Unmanned Aerial Vehicle (UAV) drone-based inspections which offer all the benefits of a qualified ground-based inspection, captured through high resolution aerial photography, available for analysis through our on-line portal,

Should an emergency track repair be needed, our crews are on-call 24/7 to get you up and running as quickly as possible. While we do offer emergency repair services, we prefer working with our clients to develop a track maintenance plan to help minimize costly emergency repairs and ensure that their facilities remain in the best condition at a reasonable cost.

When you partner with 360's maintenance team, we will ensure your investment in track infrastructure is an asset rather than a burden.

#### **KEY POINTS**

 North America's premier partner in track maintenance and repair

MAINTENANC

- On-call, 24-hour emergency repair services
- FRA qualified Track Inspectors with decades of field experience
- Capital Maintenance Planning
- Customer focused





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#### SIMULATION MODELING

360 Rail Services offers 2D/3D simulation modeling to aid our clients in solving real-world supply chain problems safely and cost efficiently. Our Simulation Modeling service provides our clients with critical insights into their existing or proposed rail/truck/barge logistics plan.

With input from our clients, we create a detailed virtual environment of the subject site and operations. Using a combination of discrete and agent-based modeling methodologies, we can provide extremely accurate, close to real world results of movements and processes for an in-depth analysis of facility design, route optimization, fleet and resource planning, material handling, risk and more.

To achieve the most realistic scenarios, our team can incorporate randomization of events that critically affect processes, such as weather, traffic, train delays, etc. Once modeled and rendered, the completed simulation is available to access through an interactive web-based portal. Our clients can simply view the results or make real time adjustments to programed variable fields in order to run what-if scenarios with verifiable statistics and visual feedback. All before committing precious capital to assets or infrastructure.

360 Rail stands ready to help you visualize your supply chain, from concept to completion.

#### **KEY POINTS**

- Provides critical operational insights
- Virtually perfect supply chain logistics before committing capital
- Easily identify process inefficiencies
- Web-based Interactive Portal
- Verifiable Statistics to support investment



### GEOSPATIAL/MAPPING

#### GEOSPATIAL

360 Rail Services' best-in-class Geospatial Mapping team utilizes a combination of traditional ground-based land survey methods and the most advanced Unmanned Aerial Vehicle (UAV) Dronebased LiDAR and Orthophotography technology to collect terrain data to support projects of all types. We incorporate cutting-edge technology to collect and analyze cloud point data and information which is then delivered directly to our clients or to one of our in-house service departments to support project development.

Our Geospatial Services include LiDAR mapping, Orthophotography, GPS field mapping, GIS, Bathymetric and Planimetric data development and more.

360's Geospatial Group is continuously evolving to meet our clients needs. By thoroughly understanding the end-use, deploying the latest drone and image capturing technology and keeping all data collection and post-processing in-house, we're able to ensure we deliver a cost effective, high quality product.

From a basic topographic survey to the most developed GIS database, our industry leading Geospatial Services team has your project mapped out from concept to completion.

#### **KEY POINTS**

- The world's most advanced technology
- In-house data collection and post-processing
- Highly accurate data rich imagery
- Experienced Surveyors and Licensed Drone Pilots
- One-time site data collection





