EXPERTISE.
INNOVATION.
PARTNERSHIP.
TMS International provides on-site mill services to support the production processes of global steelmakers. We deliver unrivaled service to our partners every day, on every contract, everywhere we operate around the world.
“Our goal is to create value for our customers in all business environments and provide excellent service. As one of the leaders in our industry, it is our customer focus, attention to details and, most importantly, our best-in-class safety performance that we believe differentiate us from our competitors.”

Raymond Kalouche
President and CEO
TMS International
PARTNER WITH EXPERTS


At TMS International, we help steelmakers address these issues to gain competitive advantage. We lead our industry with the most comprehensive and innovative array of pre- and post-production mill services. Our on-site services range from scrap purchasing, optimization and logistics to metal recovery, slag processing, scarfing, surface conditioning and maintenance.

Our people, services, technology and equipment provide invaluable resources that support and enhance our partners’ entire manufacturing operations.

We expertly manage non-core operations so our customers can focus on what they do best: making steel.
**TMS International’s Difference**

The secret to our success is the expertise of our people and our commitment to unrivaled service. We hire the best people for the job, equip them with what they need, and empower them to do whatever it takes to get the job done right—including making decisions on the spot to create immediate value for our partners.

**Global Reach**

TMS International provides specialized services at more than 80 locations and has trading offices on five continents.

**A Proud, Storied History**

TMS International claims a proud heritage of partnership, innovation and integrity dating back more than 90 years. We trace our roots to two separate companies in the metal industry: Tube City Iron & Metal and International Mill Service.

Tube City was founded in 1926 as a scrap iron and metal dealer in McKeesport, PA. In 1928, the company moved to Glassport, PA, which remains the location of our corporate headquarters. International Mill Service (IMS) evolved from a company that operated a sand and gravel pit in the Cleveland, OH, area in 1936 and later expanded its operations internationally into slag processing and metal recovery. In December 2004, Tube City and IMS combined to create Tube City IMS, one of the world’s leading outsourced steel services organizations.

As the company moved into its 10th decade of operations, we decided to change its name in order to better reflect our integrated operations and global status. Tube City IMS became TMS International Corporation in 2016.
Building strong, long-term relationships with our partners is the cornerstone of TMS International’s business. Since 1926, we have been an industry-leading innovator, providing superior value—in fact, a large percentage of our work is repeat business from loyal partners.

TMS International excels at building best-in-class teams that meet our customers’ toughest requirements anywhere in the world. We blend seamlessly into our partners’ operations, becoming a value-added extension of their capabilities. High levels of accountability, frequent customer service meetings, problem-solving acumen and speed of decision making distinguish our field operations.

FAST FACT
Many of the top global steel producers rely on TMS International for on-site mill support services.
How We Create Value for Our Partners

On every job site we work relentlessly to achieve for our partners:

- Greater operating efficiency
- Lower operating costs
- Excellent safety record
- Continuous quality improvements
- Environmentally friendly practices
- Problem-solving innovation

Safety First

TMS International is a leader in our industry in safety. On every job site, we follow a rigorous safe-work program that meets or exceeds all government requirements for employee safety. Our goal is zero accidents, injuries and incidents at the mills we service.

We attribute our excellent record to our behavior-based observation program, strict adherence to safe work procedures, engineering out hazards, and a full-time safety team that works at locations throughout the world.

Relentless Focus on Quality

Around the world, TMS International goes beyond basic requirements with our Continuous Improvement programs. Many of our facilities are ISO 9001 quality certified, with 100 percent compliance and certificate renewal performance. These efforts generate quality, efficiency and cost-savings for our partners.

Integrity in Everything We Do

At TMS International we have an exemplary reputation for doing business with integrity and according to the highest ethical standards. Integrity is ingrained in every aspect of our business culture from our administrative offices to our on-site facilities.
> DRIVE AND INNOVATION

Since 1926 we have been providing innovation and industry-leading pioneering technologies and programs in response to our partners’ business needs.

**Scrap OptiMiser® and GenBlend+®**

The Scrap OptiMiser is TMS International’s proprietary scrap purchasing program, which accesses real-time market pricing to determine the optimal scrap mix based on individual mill chemistry requirements, with an objective of achieving the lowest cost liquid steel.

The GenBlend+ system provides charging recipes for each individual heat and interfaces with the mill computer systems and scales in order to gather all scrap process-related information. All the scrap-related data collected is used to monitor and fine tune system performance, and provide a database for analysis. The interface with the mill computers and the crane operator is customized to provide the most efficient mode of operation.

Both models work together to control the scrap charging process and scrap inventory, taking advantage of scrap cost-saving opportunities to provide the lowest cost liquid steel.

**Advanced Scarfing**

Our torch-positioning technology combines the flexibility of manual scarfing with the production efficiency of a semi-automatic machine. We can remove all surface defects on any length, width, thickness or deflection of slabs.

**Metal Recovery/Slag Handling**

Our pioneering technologies process slag to maximize metal recovery and to produce useful environmentally beneficial aggregate products. Applications include road construction, asphalt, ready-mix concrete, pavers, cement, railway ballast, mining, filtration and agriculture.
Environmental Leadership

TMS International’s services help steelmakers minimize their environmental impact and contribute to a greener world by recycling scrap metals, maintaining energy-efficient operations and processing all by-products for beneficial reuse.

We set high standards in the area of environmental responsibility—striving for performance that does not merely comply with regulations but reduces environmental impacts. We believe we have a responsibility to take care of our planet and preserve its beauty, resources and strength for future generations.

A FEW OF OUR ENVIRONMENTAL BENEFITS:

1. On partner sites, we recycle scrap metals and offer flexible services to process steel manufacturing by-products for environmentally beneficial reuse.

2. We maintain a full-time staff of engineers who design every job site to minimize environmental impacts for steelmakers.

3. We continually assess available technology to implement innovations beyond compliance levels where economically viable.

On every job site around the world, our processes meet or exceed local government standards.
We handle and process millions of tons of mill revert, industrial and obsolete scrap for reuse monthly.
SERVICES AROUND THE WORLD

TMS International pioneered a comprehensive array of services to support every phase of steel production processes anywhere in the world. Our on-site facilities range from a single specialized service to large, diversified operations providing all our services. In everything we do, our goal is to help steelmakers run as efficiently, economically and sustainably as possible.

Pre-Production Services

**Raw Material Brokerage**
Our partners profit from our ability to buy and sell scrap and scrap substitutes at competitive prices. Knowledgeable traders in our extensive worldwide purchasing network maintain relationships and use leading-edge technology to gain access to real-time market information around the globe.

**Inventory Management**
At our customers’ operations, the value of scrap in inventory can easily reach tens of millions of dollars. We optimize, track and report inventory levels and coordinate economical transportation. We can also provide automatic scales.

**Scrap Optimization**
We take scrap management to a new level with Scrap OptiMiser® and GenBlend+® optimization software programs. These sophisticated, proprietary purchasing and real-time melt-chemistry optimization programs determine the optimal scrap mix for every heat melt order, with an objective of achieving the lowest cost liquid steel.

**Charge Bucket Loading**
The first step in the production of any heat is to select the grade of steel to be made, and the preparation of the charge bucket is a very important operation. At TMS we assure quality control by carefully loading, mixing and delivering charge buckets and boxes directly to the melt shop furnace.

**Scrap Processing**
TMS International provides the complete range of scrap handling and processing services. We handle and process millions of tons of mill scale revert, industrial and obsolete scrap for reuse annually. Our on-and off-site plants sort, clean, shear, torch, shred and bale unprepared scrap metal to customer specifications. Our modern West Mifflin, PA, facility provides scrap processing and production of tailored scrap commodities, including carbon steel and stainless coolant.
Post-Production Services

**Slag Handling**
We carefully study the operations of each mill to custom design a comprehensive program for removing, transporting and processing slag. We offer the flexibility to promptly remove and transport slag from any location to one of our processing sites.

**Slag Aggregates**
We process slag into versatile construction materials for environmentally beneficial use and commercial sale. Applications include road construction, asphalt, ready-mix concrete, cement, railways ballast, mining, filtration, agriculture and pavers.

**Product Handling**
Specialized carriers and overhead cranes transport semi-finished and finished products throughout our partners’ facilities.

**Surface Conditioning**
Our wide range of surface conditioning services help our partners meet the increasing demand for high-quality steel products. Based on each mill’s requirements, we custom design, engineer and install a comprehensive system adapted to the individual operation and product application. We manage operations, quality control, maintenance and technical support. Our services include manual and robotic scarfing as well as hand and machine grinding. Our innovative scarfing system flames away all surface defects from slabs of any length, width, thickness or deflection.

**Logistics Management**
Our logistics management covers all modes of transportation, including motor carriers, railroads, barges, intermodal, ocean and lake vessels along with private railcar fleets. Our global capabilities are cost-competitive and comprehensive.

**Metal Recovery**
Our recovery systems improve our partners’ profitability by maximizing the reclamation of metals. Recovered metals can be used in place of externally purchased scrap to save costs.

**Slag Handling to Titanium, Specialty Metals, Stainless Steel Producers**
TMS provides high-quality conditioning and conversion services to titanium, specialty metals, nickel alloy and stainless steel producers. Our full-service on- and off-site facilities provide metal producers with the flexibility and resources to handle a wide range of surface conditioning and processing services, including surface grinding, straightening, turning and saw cutting. For more information, go to Shastainc.com.
We customize our mill support services to meet the unique challenges of our partners at on-site locations around the world.

**Railcar Dismantling**
Throughout the U.S., we offer an array of rail services, from railcar dismantling to parts reclamation. Our dismantling sites are on every Class 1 railroad, as well as off-site locations, to minimize freight costs. Our logistics department monitors scrap railcars from origin to destination to ensure delivery.

**KWIK Cooling**
TMS’s patent-pending KWIK Cooling process reduces the required method of cooling non-ferrous material from 60 hours to 12 hours by using its proprietary cooling vessels (CV). Once filled with slag, the CVs are placed in specifically designed cooling stations. After 12 hours, the CV is tipped and the matte and slag are separated.

**Copper Slag Services**
We offer slag pot carrying services to copper producers around the world. Although each individual smelter has its own unique configuration and layout, we have the appropriate machinery, engineering and capabilities to provide customized solutions with safety as our priority. Our services include:
- Transportation
- Pot Carriers for molten slag, blister and matte
- Slag Cooling
- Slow cooling process for proper metal segmentation and collection of a usable product
- Slag Processing
- Screening & Crushing

**Extruded Product Services**
Our Extruded Product Services (EPS) delivers cost-effective steel mill by-product management, on- or off-site, producing pellets for remelting fines, dust and sludge. We engineer our extruded pellets to meet your cost, performance and handling requirements:
- By-product management that creates value
- Better reclamation of valuable metallics for improved profitability
- Lower raw material costs
- Standardized, consistent, high-quality feedstock
- Selling or using as a feedstock to eliminate on-site storage, disposal and landfill costs
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**Innovative Cutting Technology**
Innovative Cutting Technology (ICT), our patent-pending remote-controlled multi-torch system, eliminates the hazards of manually operated torches or lance pipes. ICT uses next-generation torch positioning technology adapted from our surface conditioning systems for the flexibility of manual cutting with advanced flame technology and production consistency of a semi-automatic system.

ICT delivers safer production, consistent sizing and product dimensioning, and better yield, with lower emissions.

We also provide on-site project cutting of large skulls and scrap accumulations.

**Specialized Services**
These services ensure mills have all the services they need to operate at maximum effectiveness. They include road maintenance and dust control, refractory removal, equipment maintenance and railroad service.
Industrial Support Services

Through our TMS International UK division, we provide a broad range of comprehensive services throughout the world. Our customers include not only world-class steelmakers but also engineering businesses, petrochemical companies, quarries, local authorities and sports venues.

Our Expertise Includes, but Is Not Limited To:

- Bio-Remediation Services
- Bulk Material Handling
- Crane Cleaning
- De-Watering Services
- Dust Suppression
- Facilities Management Services Including Drains, Grass Cutting
- Fork Lift and Mobile Plant Training Services
- Industrial Cleaning
- Jetting Services
- Labor Services
- Pre- and Post-Steel Production Services
- Refractory Maintenance Including Wrecking and Refurbishment
- Tanker Services
- Vacuumation
- Waste Removal
- Water Plant and Monitoring Systems

When you’re talking with TMS International, you’re talking with the experts in outsourced on-site mill services around the world.

We’d love to hear from you.

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