ATS METALURJİ
ADVANCED TECHNOLOGY SERVICES





METALLURGY SOLUTION CENTER

Process Optimization & Software
Engineering & Equipment
Project Management & Modernization

ANKIROS 2026

HALL 5 - D205

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www.atsmetalurji.com
PHONE: +90 (216) 504 96 95



01 WHO WE ARE

WHO WE ARE

ATS Metallurgy is an Istanbul-based engineering and technology solutions company with 12 years of experience in the iron and steel industry. We support new investments, plant transfers and modernization through process optimization, software, equipment supply and project management. Our scope covers steelmaking, continuous casting, rolling mills and auxiliary systems.

EXPERIENCE

Our expertise draws **on 23 years** of professional experience in the iron and steel industry, combining metallurgical process knowledge with engineering and site experience. We evaluate production targets, equipment condition, technical interfaces and implementation requirements to support practical decisions throughout the project lifecycle.

HOW WE WORK

We work with engineering and manufacturing partners to connect customer requirements with equipment supply and project execution. ATS Metallurgy coordinates technical communication and integration. Scope, inspection, delivery and site support are defined for each project.

ENGINEERING & DESIGN | EQUIPMENT SUPPLY | PARTNER COORDINATION
PROJECT MANAGEMENT | INSTALLATION & COMMISSIONING | TECHNICAL SUPPORT

02 EXPERIENCE BEHIND ATS

Project management across steel and process plants

Our team brings 23 years of industry experience to greenfield investments and plant upgrades. We combine metallurgical knowledge with engineering coordination and site management.



EAF-BASED STEEL MELTSHOPS

Greenfield project and plant management

Feasibility study, engineering coordination and equipment integration, with site execution through commissioning.





EAF UPGRADE & MODERNIZATION

Project management

Upgrade planning and shutdown coordination for furnaces and auxiliary systems.



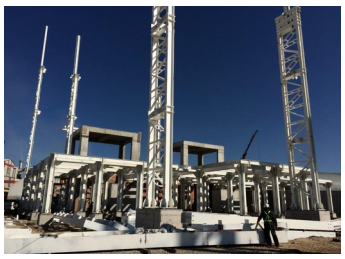


IF-BASED STEEL MELTSHOPS

Greenfield project management

Plant layout and utility integration, with technical follow-up during implementation.

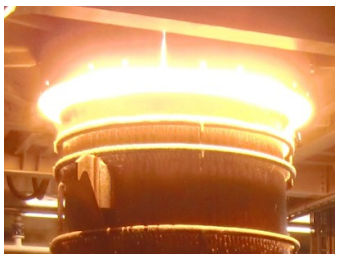




FUSED MAGNESIA PLANTS

Greenfield project management

Melting plant engineering and auxiliary systems, with coordination of site activities.





WAELZ OXIDE & EAF DUST RECYCLING PLANTS

Greenfield project management

Process and equipment integration, from plant design to commissioning.



Project experience includes work undertaken by ATS and its team in previous roles.

03 CERTIFICATIONS

Quality Management and Manufacturing Compliance

ATS Metallurgy holds ISO 9001:2015 certification. The EN 1090 documents shown below relate to our manufacturing partner and their stated scope.

EN 1090-1

Factory Production Control certification to EN 1090-1:2009+A1:2011 for load-bearing steel components, including corrosion protection and structural design, up to EXC3 under EN 1090-2.

ISO 9001

ATS Metallurgy's ISO 9001:2015 certification covers project management for the steel industry, export/import services and equipment manufacturing.

EN 1090-2

Welding certification to EN 1090-1:2009+A1:2011 and EN 1090-2:2018, up to Execution Class EXC3. The certificate lists TIG, MAG and MIG welding processes for the stated materials.

MANUFACTURING PARTNER



CERTIFICATE

of conformity
of the factory production control

No.: 0408-CPR-TA04704

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9th March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

Components for Steel structures

harmonised Standard	execution class	declaration method
EN 1090-1:2009+A1:2011	Load bearing steel components with corrosion protection and structural design up to EXC 3 acc. EN 1090-2	3b acc. Tab. A.1 of EN 1090-1

produced by or for

GEMKOM Makina İmalat Taahhüt San. Ve Tic. A.Ş.
Dilovası Organize Sanayi Sitesi 3. Kısım
Muallimköy Yolu No: 21 Gebze - 41400 KOCAELİ / TURKEY

and produced in the manufacturing plant (s)

GEMKOM Makina İmalat Taahhüt San. Ve Tic. A.Ş.
Dilovası Organize Sanayi Sitesi 3. Kısım
Muallimköy Yolu No: 21 Gebze - 41400 KOCAELİ / TURKEY

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard (s)

EN 1090-1:2009+A1:2011

under system 2+ are applied and that

the factory production control fulfills all the prescribed requirements set out above.

This certificate was first issued on 12.10.2021 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonized standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified signification. The next surveillance is due on 11.10.2023.

Leonding 12.01.2023

TÜV AUSTRIA SERVICES GMBH
Deutschstraße 10
A-1230 Wien

EN 1090-1

ATS METALLURGY



CERTIFICATE

Management system as per
TS EN ISO 9001:2015

In accordance with TÜV AUSTRIA procedures, it is hereby certified that

ATS METALURJİ
ADVANCED TECHNOLOGY SERVICES

ATS METALURJİ MAK. İNŞ. SAN. VE TİC. LTD. ŞTİ.

Çekmeköy Merkez Mah. Ferah Sok. No:7A
TR-34782 Çekmeköy / İSTANBUL

applies a management system in line with the above standard for the following scope

Project Management for steel industry and Export/ Import services and equipment manufacturing.

Certificate Registration No. 20100223016830 Valid until 2026-02-19
Initial certificate 2023-02-20

Certification Body
at TÜV AUSTRIA GMBH

Vienna, 2025-02-21

This certification was conducted in accordance with TÜV AUSTRIA auditing and certification procedures and is subject to regular surveillance audits.
TÜV AUSTRIA GMBH Deutschstraße 10 A-1230 Wien www.tuv.at

ISO 9001

MANUFACTURING PARTNER



WELDING CERTIFICATE

Certificate No.: 0408-CPR-TA04704

Manufacturer	GEMKOM Makina İmalat Taahhüt San. Ve Tic. A.Ş. Dilovası Organize Sanayi Sitesi 3. Kısım Muallimköy Yolu No: 21 Gebze 41400 KOCAELİ / TURKEY
Factories	GEMKOM Makina İmalat Taahhüt San. Ve Tic. A.Ş. Dilovası Organize Sanayi Sitesi 3. Kısım Muallimköy Yolu No: 21 Gebze 41400 KOCAELİ / TURKEY
Standard	EN 1090-1:2009+A1:2011
	EN 1090-2:2018
Execution Classes	Up to EXC 3
Welding Processes (According to ISO 4063)	141 – Tungsten inert Gas Welding 135 – Metal Active Gas Welding 131 – Metal Inert Gas Welding
Parent Metals	S235 - S355 according to EN 1090-2, Table 2 and 3
Responsible Welding Coordinator	Emes Karadağ, born: 01/01/1989, IWE
Deputies	Serdar Köse, QC Engineer, Mechanical Eng.
Confirmation	It is confirmed that all procedures for the execution and supervision of welding work are available.
Remarks	This welding certificate is only valid within the scope of and in connection with FPC Certificate No.: 0408-CPR-TA04704
Valid from	12.10.2021 (first day of issue)
Next Surveillance	11.10.2023

Leonding 12.01.2023

TÜV AUSTRIA SERVICES GMBH
Deutschstraße 10
A-1230 Wien

EN 1090-2

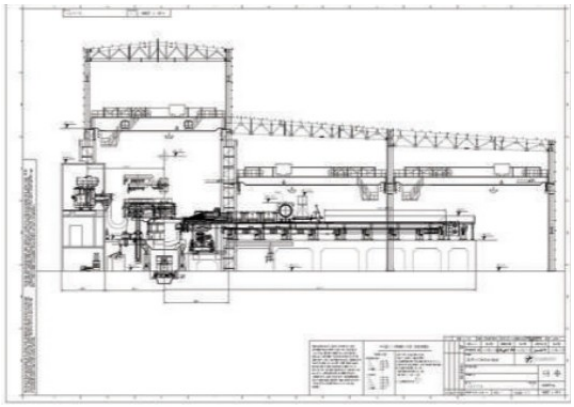
Certificates apply to the named holder and the scope stated in each document. Project-specific manufacturing and inspection requirements are agreed for each equipment package.

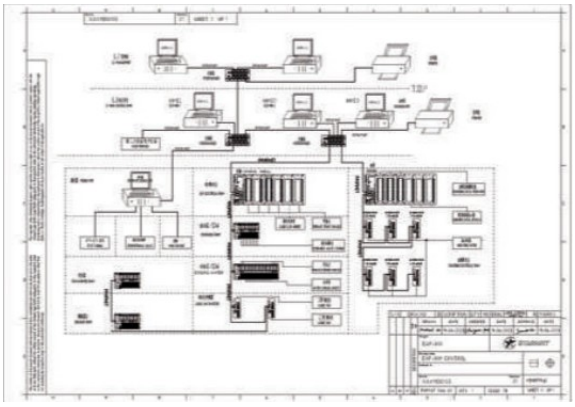
04 WHAT WE DO

One Partner. Multiple Capabilities.

ATS Metallurgy combines process expertise, software, engineering and equipment solutions to help steelmakers improve production performance and develop new projects with its technology partners.







ENGINEERING & SOLUTIONS

Process-oriented engineering and equipment solutions for production requirements.
Process Optimization
Decision Support Software
Process Engineering
System Integration
Equipment Selection
Customized Solutions

EQUIPMENT SUPPLY

Complete equipment, systems, components and customized equipment packages.
Steelmaking Equipment
Ferroalloy Equipment
Casting Equipment
Rolling Mill Equipment
Hydraulic Equipment
Electrical & Automation

RETROFIT & UPGRADES

Modernization and refurbishment solutions for existing equipment and production lines.
Capacity Upgrades
Equipment Refurbishment
Mechanical Upgrades
Hydraulic Upgrades
Electrical & Automation Upgrades
Cooling System Upgrades

PROJECT DELIVERY

Coordinated execution covering the full project chain, start to finish.
Engineering
Manufacturing
Inspection
Logistics
Installation Support
Commissioning Support

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05 PROCESS OPTIMIZATION

Lower conversion cost. More consistent production.

ATS helps steelmakers identify where energy, materials and production time are lost. We connect operating data with metallurgical analysis to define practical improvements for existing processes and equipment.

EAF / BOF / LF / CONTINUOUS CASTING / ROLLING

ENERGY & MATERIAL BALANCE

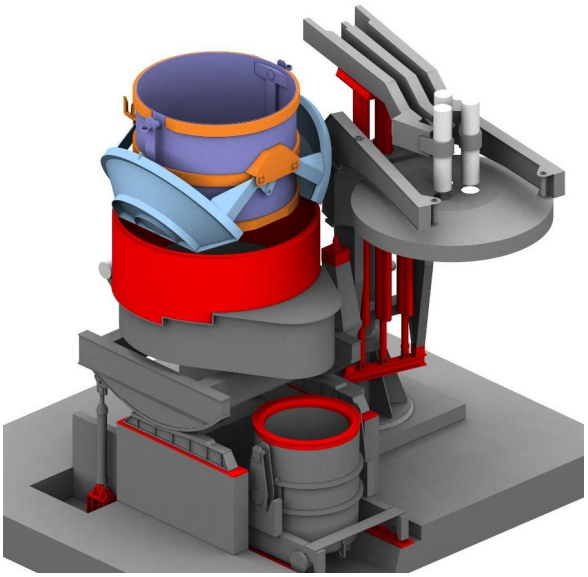
Review energy input, raw materials, metal yield and thermal losses to locate the main sources of conversion cost.

PROCESS STABILITY

Analyze heat-to-heat variation, chemistry, temperature and cycle time. Identify bottlenecks and inconsistent practices.

OPERATING PRACTICE & EQUIPMENT

Align operating parameters, consumable selection and equipment condition with the required production performance.



Illustrative EAF arrangement

kWh/t	kg/t	%	min/heat	Cost/t
Energy	Consumables	Metal yield	Cycle time	Production cost

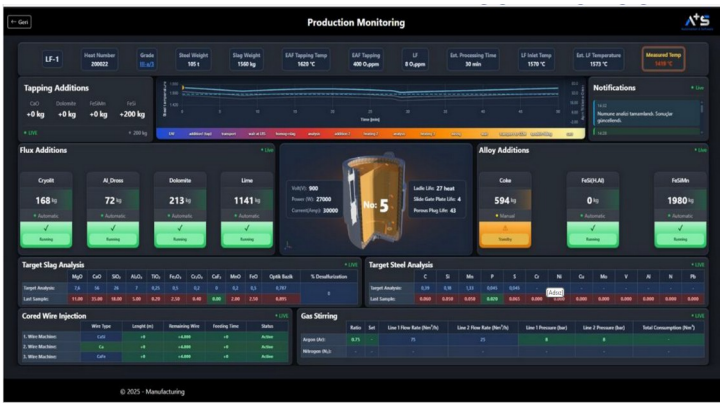
A PRIORITIZED IMPROVEMENT PLAN

Establish the baseline, evaluate improvement options and agree an implementation plan. Operating changes and equipment upgrades are prioritized by technical feasibility, production impact and expected economic value.

06 PROCESS SOFTWARE & DECISION SUPPORT

LF steel and slag optimization for operator decisions.

ATS Process Control combines heat data with metallurgical models to support LF operators. Steel and slag calculations help define material additions and evaluate operating conditions against the target steel grade.



STEEL & SLAG CALCULATIONS

Alloy and flux addition recommendations. Slag condition assessment for sulfur removal, basicity and MgO balance.

OPERATOR DECISION SUPPORT

Present calculated recommendations and target conditions to the operator. Review actual results heat by heat.

HEAT & OPERATING DATA

Steel and slag analyses, temperature, steel mass and ladle history provide the basis for heat-specific calculations.



PLANT INTEGRATION

Local PC or plant server installation. Data connections are defined for each plant and application.



HEAT DATA → **MODEL** → **OPERATOR** → **HEAT REVIEW**

Analyze — Calculate — Evaluate & decide — Compare & improve

Supporting operator decisions. The software reads plant data and provides guidance; it does not directly control the LF or write commands to the PLC.

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07 ENERGY & CARBON PERFORMANCE

Connect process efficiency with a lower operational footprint.

Energy efficiency and carbon performance start with a reliable production baseline. ATS evaluates operating data, energy use and material flows to identify improvement options and compare their technical and economic value.



ENERGY & CARBON INDICATORS

Electricity, fuel & materials

kWh / t product

t CO_2e / t product

Boundary, emission factors & production basis

WHAT WE EVALUATE

ENERGY CONSUMPTION

Electricity and fuel use, assessed on a consistent production basis.

MATERIALS & YIELD

Carbon-bearing inputs, metal yield and material losses across the process.

HEAT LOSSES & RECOVERY

Waiting and transfer times, hot charging conditions and heat recovery options.

AN IMPROVEMENT ROADMAP

01 **BASELINE**

Energy and material inventory, selected KPIs and data quality review.

02 **OPTIONS & PRIORITIES**

Compare operating changes and equipment upgrades by cost, feasibility and expected impact. Track results on the same assessment basis.

Assessment boundary, production basis and emission factors are defined for each project.

08 METALLURGICAL EQUIPMENT

Equipment for Steelmaking & Metallurgical Production

ATS Metallurgy provides equipment and systems for metallurgical production through its engineering and manufacturing partners, from complete equipment to customized components and spare parts.

STEELMAKING EQUIPMENT

EAF

Furnace Shell
Roof & Delta
Electrode Arms
Electrode Contact Systems
Water-Cooled Panels
Hydraulic Systems
Oxygen & Burner Systems
Tilting & Tapping Systems
Furnace Auxiliary Equipment





LADLE FURNACE - LF

Furnace Roof & Lifting System
Water-Cooled Equipment
Heating & Auxiliary Systems
Electrode System
Ladle Transfer Systems

VACUUM EQUIPMENT

VOD Systems
Vacuum Tank & Lid
Oxygen Lance System
Alloy Addition System
Vacuum Equipment (Pumping System)
Ladle Transfer Car
Hydraulic Systems
Argon Stirring & Gas Piping



Equipment can be supplied as individual systems or integrated into larger metallurgical projects.

09 FERROALLOY & SAF SOLUTIONS

Submerged Arc Furnace Solutions

ATS Metallurgy offers equipment and project solutions for submerged arc furnace applications through its manufacturing partner, covering:

APPLICATIONS

- Ferrochrome
- Silicomanganese
- Silicon Metal
- Ferrosilicon
- Ferromanganese
- Yellow phosphorus



KEY EQUIPMENT - SAF

- Furnace Shell
- Copper Components
- Short Network / Busbars
- Furnace Roof
- Tapping Equipment



ELECTRODE SYSTEMS

- Electrode Columns
- Contact Systems
- Hydraulic Cylinders
- Copper Contact Components
- Electrode Clamping Systems
- Slip Systems
- Electrode Slipping Systems



AUXILIARY SYSTEMS

- Charging Equipment
- Cooling Systems
- Gas & Fume Systems
- Material Handling
- Hydraulic Systems
- Electrical & Control Systems



We support customers from individual equipment supply through to coordinated furnace project packages.

10 CONTINUOUS CASTING & ROLLING

From Molten Metal to Finished Product





CONTINUOUS CASTING

Tundish	Mold Systems
Copper Molds & Components	Secondary Cooling
Spray Systems	Cooling Headers
Withdrawal & Straightening Units	Dummy Bar Systems
Transfer Equipment	Hydraulic Systems

Cooling systems can be developed according to billet size, casting speed, steel grade and individual plant requirements.

ROLLING MILL EQUIPMENT

Rolling Stands	Main Drive Systems
Gearboxes	Hydraulic Systems
Shear Systems	Cooling Beds
Transfer Systems	Water Treatment Systems

We support both new equipment requirements and modernization of existing rolling mills.

11 COMPONENTS & SPARE PARTS

Critical Components. Reliable Supply.

ATS Metallurgy supplies critical mechanical, hydraulic, copper, water-cooled and structural components through its manufacturing partner, supporting equipment reliability and spare-parts availability.



For difficult-to-source components, customers can provide drawings, samples or existing equipment information, and we identify a suitable manufacturing solution. Our objective is not simply to supply a replacement part, but a technically suitable and commercially practical solution.

12 AFTER-SALES & TECHNICAL SUPPORT

ATS Metallurgy coordinates after-sales and technical support with the equipment manufacturer. Warranty scope, service availability and responsibilities are defined for each project and equipment package.

- Operation & Maintenance Support
- Troubleshooting & Technical Advice
- Engineering Documentation Support
- Spare Parts Selection & Supply
- Equipment Upgrades & Modernization
- Remote Technical Support





For urgent technical issues, support is coordinated by phone, email and online channels. On-site support is provided where required under the agreed project service arrangements.









13 MANUFACTURING NETWORK

Manufacturing Resources Behind Every Project

ATS Metallurgy works with its manufacturing partner and specialized production resources for metallurgical equipment. Production capabilities are matched to the technical requirements, project scope and delivery schedule.







ATS Metallurgy coordinates engineering, technical requirements and customer communication with the manufacturing partner. The manufacturer provides production resources, fabrication and factory quality control. Documentation, inspection points and delivery requirements are aligned to the agreed technical specification.

14 QUALITY ASSURANCE

Quality Built into the Project

Quality control begins before manufacturing and continues through final inspection and delivery. For each project, inspection requirements are established according to equipment type, technical specifications and customer requirements.

TECHNICAL REVIEW

Verification of drawings, specifications, materials and manufacturing requirements.

MATERIAL CONTROL

Inspection and verification of materials and certificates where required.

MANUFACTURING INSPECTION

Monitoring of fabrication, machining, welding and assembly processes.

DIMENSIONAL INSPECTION

Verification of critical dimensions and tolerances.

TESTING

Hydraulic pressure, leak, functional, electrical and performance testing as applicable.

FINAL INSPECTION

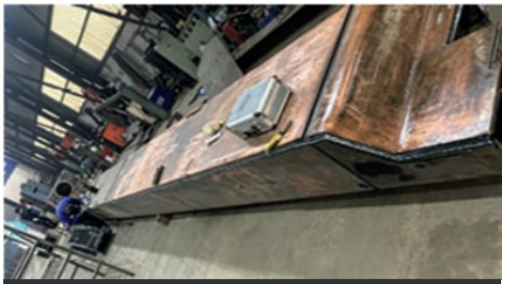
Final dimensional, visual and functional inspection before shipment.

Where required, ATS Metallurgy coordinates third-party inspection with the manufacturer. Inspection scope and acceptance criteria are agreed for each project.


Welding & Fabrication


Heavy Fabricated Components


Machined Shafts & Rollers


Welded Steel Assemblies

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METALLURGY SOLUTION CENTER

OUR SERVICES

PROCESS OPTIMIZATION & SOFTWARE
ENERGY & CARBON PERFORMANCE
ENGINEERING & TECHNICAL SOLUTIONS
METALLURGICAL EQUIPMENT
REVAMP & MODERNIZATION
SPARE PARTS & CONSUMABLES
USED EQUIPMENT SOURCING
PROJECT MANAGEMENT
INSTALLATION & COMMISSIONING SUPPORT
AFTER-SALES & TECHNICAL SUPPORT

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