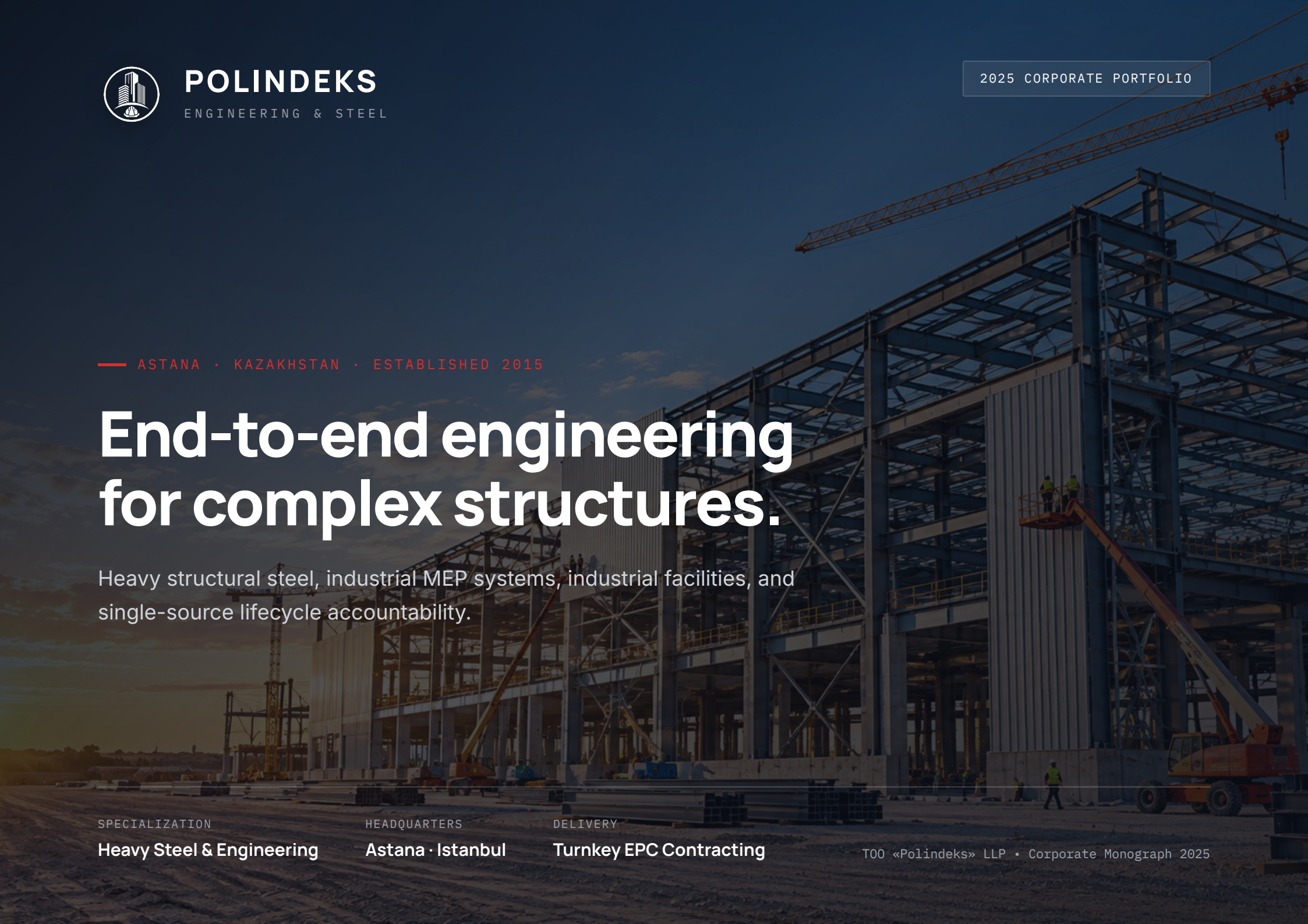
POLINDEKS

ENGINEERING & STEEL

2025 CORPORATE PORTFOLIO



ASTANA · KAZAKHSTAN · ESTABLISHED 2015

End-to-end engineering for complex structures.

Heavy structural steel, industrial MEP systems, industrial facilities, and single-source lifecycle accountability.

SPECIALIZATION
Heavy Steel & Engineering

HEADQUARTERS
Astana · Istanbul

DELIVERY
Turnkey EPC Contracting

SINCE 2015

Full-cycle engineering excellence deployed directly to your project site.

Founded in Astana in 2015 by a dedicated team of engineers and visionaries, Polindeks LLP delivers comprehensive solutions across the industrial spectrum. Our integrated operational model spans heavy structural steel fabrication and erection, advanced MEP infrastructure, specialized equipment procurement, and long-term technical maintenance.

10+
Years of Field Excellence & Industry Leadership

87+
Major Projects Successfully Delivered

150K+
Tons of Heavy Structural Steel Fabricated & Erected



ASTANA STEEL ERECTION WORKSITE

GUIDING PRINCIPLES

Three non-negotiable principles anchor everything we build.

01

Accountability

We strictly honor our commitments. Regardless of engineering challenges or site conditions, completing every commission on schedule and within exact specifications is our foundational discipline.

TRUSTED PARTNERSHIP

02

Quality

Quality defines our institutional reputation, and reputation is our most valued asset. From metallurgical sourcing to ultrasonic weld testing, we operate on a strict zero-defect policy.

ZERO-DEFECT STANDARD

03

Continuous Advancement

Our engineers and technical crew continuously upgrade qualifications through international training, cutting-edge software, and modern certifications to master the most challenging engineering feats.

ADVANCED ENGINEERING TALENT

APPLIED TECHNICAL STANDARDS

- ISO 9001:2015 Kalite Yönetimi
- Kazakistan SNiP & GOST
- AWS D1.1 Çelik Kaynak Standartları
- OHSAS 18001 / ISO 45001 İSG

ENGINEERING & ERECTION

Five synergistic competencies powering heavy industrial delivery.

01	**Structural Steel Erection**	From industrial plants to landmark architecture: heavy structural steel frames, tubular space trusses, long-span roof systems, and precision modular assembly.
02	**Industrial MEP Systems**	Complete installation of interior and exterior utility networks, industrial process piping, and integrated building service infrastructure.
03	**Equipment Procurement & Rigging**	Turnkey accountability from international sourcing and heavy machinery rigging to elevator shafts, industrial silos, and system commissioning.
04	**HVAC & Industrial Automation**	High-efficiency district heating, heavy-duty industrial ventilation (HVAC), and integrated SCADA / smart building automation systems.
05	**Lifecycle Maintenance & Field Support**	Comprehensive post-commissioning technical audits, scheduled maintenance, and structural monitoring ensuring uninterrupted facility operations.



FULL-CYCLE EPC MODEL

From blueprint to commissioning: a single accountable partner.

01 Detailed Engineering & BIM

Finite element analysis, full compliance with international & local building codes, and shop drawings (LOD 400).

02 Precision Fabrication

In-house CNC plasma/laser cutting, automated submerged arc welding, and rigorous non-destructive testing (NDT).

03 Site Logistics & Heavy Rigging

Just-in-time heavy haulage, coordinated crane lifting strategies, and certified erection crews for rapid installation.

04 Testing, Commissioning & Handover

Rigorous mechanical/electrical testing, regulatory certifications, and seamless operational handover.

SELECTED PORTFOLIO

Our footprint on the ground. Landmark structures bearing our signature.

From transportation mega-hubs and sacred monuments to mining complexes and automotive manufacturing plants.

P / 01
Astana Grand Railway Station
32,500 TONS

P / 02
Bozshakol Copper Concentrator
3,250 TONS

P / 03
Astana Grand Mosque
13,550 TONS

P / 04
Nazarbayev Center
3,750 TONS

P / 05
Haval-Chery-Changan Automotive Plant
AUTOMOTIVE

P / 06
Automotive Seating Production Facility
INDUSTRIAL

P / 07
HITACHI Heavy Equipment Facility ТОиР-1
HEAVY INDUSTRY

P / 08
Steel Fabrication Works & Yard
FABRICATION









P / 01

TRANSPORT & INFRASTRUCTURE

Astana Grand Railway Station

📍 Astana, Kazakhstan

32.500

TONS OF HEAVY STEEL ERECTED

As the capital's signature transportation mega-hub, this project featured massive steel clear-spans, elevated platform superstructures, viaduct tie-ins, and complex load-bearing frameworks successfully delivered by Polindeks on schedule.

SCOPE
Fabrication & Heavy Rigging

STRUCTURE
Transit Mega-Terminal

P / 02

MINING & HEAVY INDUSTRY

Bozshakol Copper Concentrator

📍 Pavlodar / Kazakhstan

3.250

TONS OF HEAVY STRUCTURAL STEEL

At one of the region's largest copper concentrators, Polindeks erected high-load structural steel for the main processing halls, primary crushing units, and heavy technological operating platforms subjected to severe dynamic loads.





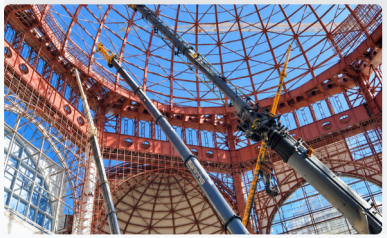




INDUSTRY
Copper Metallurgy & Mining

SURFACE DEFENSE
Multi-Coat Heavy Epoxy









P / 03

LANDMARK MONUMENTAL ARCHITECTURE

Astana Grand Mosque

📍 Astana, Kazakhstan

13.550

TONS OF STEEL DOME & VAULT FRAMING

Ranking among Central Asia's grandest mosques, this landmark required millimetric precision in erecting the massive 62-meter diameter space-truss main dome, secondary vaults, and complex ornamental steel supports.

DOME DIAMETER
62 Meters (Ø)

STRUCTURAL TYPOLOGY
Space-Truss Vault System

P / 04

CIVIC & CULTURAL ARCHITECTURE

Nazarbayev Center

📍 Astana, Kazakhstan

3.750

TONS OF ARCHITECTURAL STEEL

Designed by world-renowned Foster + Partners, this striking civic monument demanded top-tier craftsmanship for inclined raking columns, radial cantilever rings, and high-spec structural glass support subframes.









ARCHITECTURAL FORM

Parametric Geometry

ENGINEERING SCOPE

Heavy Steel & Glazed Subsystems









P / 05

AUTOMOTIVE & HIGH-VOLUME MANUFACTURING

Haval–Chery–Changan Automotive Mega-Plant

📍 Almaty / Kazakhstan

MEGA-FACILITY

INDUSTRIAL STEEL FABRICATION & ERECTION

For Kazakhstan's premier multi-brand automotive plant, Polindeks erected the long-span industrial steel skeletons, heavy runway crane girders, and complete insulated cladding across pressing, body assembly, painting, and logistics bays.

ANNUAL OUTPUT
90,000 Vehicles / Year

OVERHEAD CRANES
Heavy-Duty Bridge Cranes

P / 06

ANCILLARY & COMPONENT MANUFACTURING

Automotive Seating Production Facility

📍 Kazakhstan

INDUSTRIAL PLANT

YEAR-ROUND ERECTION UNDER SEVERE SUB-ZERO CONDITIONS

Constructed through severe sub-zero winter temperatures without compromising project momentum: column lines, roof trusses, high-performance thermal insulated cladding, and specialized fire suppression networks were seamlessly deployed.









CONSTRUCTION REGIME
All-Season Continuous Erection

THERMAL ENVELOPE
PIR Insulated Sandwich Panels









P / 07

HEAVY MACHINERY & TECHNICAL SERVICE

HITACHI Maintenance & Overhaul Facility

Kazakhstan

MRO BAY-1

HEAVY MRO SERVICE BAY & HIGH-CAPACITY CRANE RUNWAY

Engineered for world-leading HITACHI heavy mining and earthmoving machinery overhaul, this high-clearance service bay incorporates a heavy-duty twin-girder overhead crane track designed for severe impact loads.

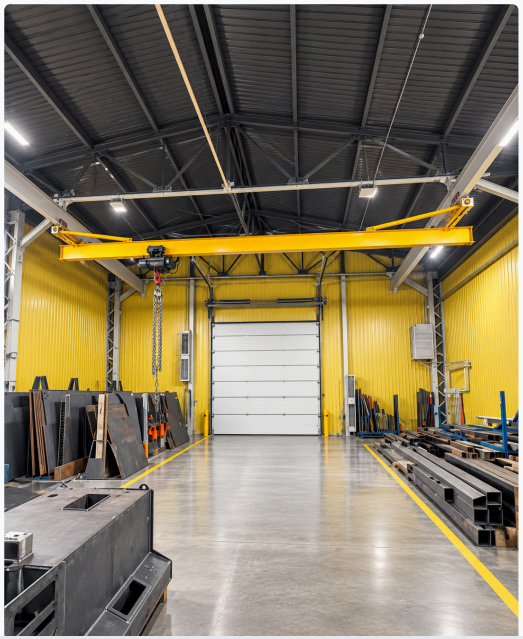
END OPERATOR
HITACHI Mining Machinery

CRANE CAPACITY
50-Ton Heavy Bridge Crane









FROM SHOP TO WORKSITE

Engineering mastery backed by modern in-house manufacturing.

We underpin our field execution with our dedicated structural steel fabrication plant. Every component is crafted from certified prime steel, undergoing strict metallurgical tracking before shipping site-ready for rapid erection.

CNC High-Definition Plasma & Laser Cutting
Profile cutting and flange processing calibrated to 0.1 mm precision.

Automated Submerged Arc Welding (SAW)
High-penetration structural welds verified by full ultrasonic and radiographic NDT inspection.

Grit Blasting & Industrial Coating Hall
Surface preparation to ISO Sa 2.5 with climate-hardened industrial

COMPETITIVE ADVANTAGES

Why leading developers and EPC leaders trust Polindeks?

01

Engineering Solutions at Any Complexity

On tight-schedule, heavy-tonnage, or geometrically complex mega-projects, we proactively mitigate technical risks and deliver definitive engineering results.

UNCOMPROMISING ENGINEERING

02

Integrated Full-Cycle Turnkey Delivery

From prime mill sourcing, shop fabrication, and heavy transport to site erection, MEP integration, and handover, our clients engage with a single accountable EPC contractor.

SINGLE-SOURCE ACCOUNTABILITY

03

Elite Engineering & Field Crews

Certified structural calculators, seasoned project superintendents, international welding engineers (IWE), and dedicated HSE safety officers.

PROVEN HUMAN CAPITAL

04

Adaptive & Client-Centric Approach

Tailored scheduling and value engineering aligned to the unique demands of each project, optimizing capital expenditure and delivery timeframes.

CLIENT-CENTRIC EXCELLENCE

POLINDEKS

ENGINEERING & STEEL

CONTACT & HEADQUARTERS

CONNECT WITH OUR ENGINEERING TEAM

Complex challenges, transparent engineering.

Let us evaluate your project's scope, structural specifications, and delivery timeline together. Our senior engineering division is ready to assist.

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