# MONOLINE ICONOGRAPHY SYSTEM

STALKOR / Structural Steel Strength, High-Heat Metallurgy & Heavy Logistics Icon Family

**STROKE: 2.2 PX**
**ANGLE: 60° / 120°**

All icons are constructed on a constant-stroke (monoline) geometric grid derived from the **I-beam cross-sections** and **60° angled structural bends** of the brand emblem. Corporate navy (**#0B2D5B**) defines primary structural contours, while industrial red (**#D9231E**) highlights critical load, high-temperature, and directional focal points.

## 01 / STRUCTURAL STEEL STRENGTH & PROFILE GEOMETRY

STRUCTURAL STRENGTH

| ICON 01 | ICON 02 | ICON 03 | ICON 04 |
|---|---|---|---|
|  |  |  |  |
| STK-IC-01 | STK-IC-02 | STK-IC-03 | STK-IC-04 |
| **I-Beam Cross-Section** | **Angle Bar Profile** | **Tensile Strength** | **Impact Toughness** |
| Parallel-flange load-bearing beam | 60° structural bending resistance | Yield and ultimate stress capacity | Charpy V-notch energy resilience |

## 02 / HIGH-HEAT SMELTING & ROLLING MILL PROCESSES

THERMAL & METALLURGY

| ICON 05 | ICON 06 | ICON 07 | ICON 08 |
|---|---|---|---|
|  |  |  |  |
| STK-IC-05 | STK-IC-06 | STK-IC-07 | STK-IC-08 |
| **Blast Furnace** | **Molten Ladle Casting** | **Hot Rolling Mill** | **Heat Treatment** |
| 1650°C high-heat smelting reactor | Secondary alloying and continuous cast | Thermomechanical roller line (TMCP) | Normalizing & controlled cooling |

## 03 / HEAVY-DUTY LOGISTICS, TRANSPORT & STORAGE

HEAVY LOGISTICS

| ICON 09 | ICON 10 | ICON 11 | ICON 12 |
|---|---|---|---|
|  |  |  |  |
| STK-IC-09 | STK-IC-10 | STK-IC-11 | STK-IC-12 |
| **Overhead Gantry Crane** | **Rail Freight Logistics** | **Hot & Cold Rolled Coils** | **Port & Maritime Export** |
| Heavy-tonnage yard handling | Long-bar structural wagon dispatch | Strip winding and strapping | Bulk vessel cargo shipping |

## 04 / QUALITY ASSURANCE, METROLOGY & ENGINEERING

QUALITY & METROLOGY

| ICON 13 | ICON 14 | ICON 15 | ICON 16 |
|---|---|---|---|
|  |  |  |  |
| STK-IC-13 | STK-IC-14 | STK-IC-15 | STK-IC-16 |
| **Dimensional Tolerance** | **Alloy Spectrometry** | **Ultrasonic Testing (NDT)** | **EN 10204 3.1 Certified** |
| EN 10034 laser caliper gauging | Optical emission ladle analysis | Non-destructive internal inspection | Full heat-to-product traceability |

**GRID SYSTEM:** 48 × 48 px Modular Unit

**STROKE WEIGHT:** Constant 2.2 px (Monoline)

**CORNER GEOMETRY:** Sharp Miter (90° & 60° Bends)