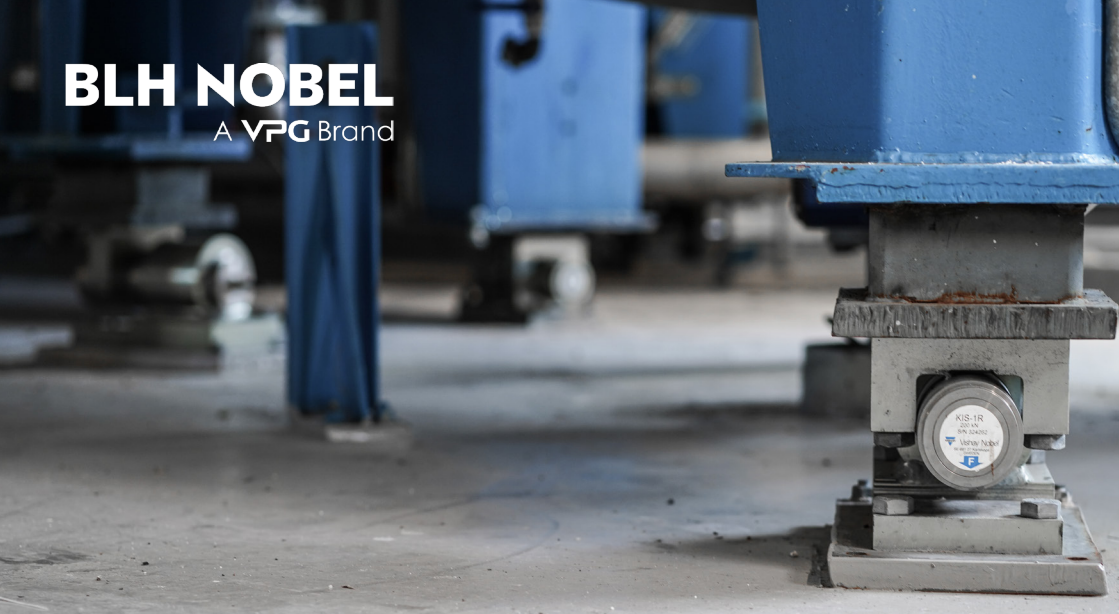


**BLH NOBEL**  
A VPG Brand



# SMART SOLUTIONS FOR DEMANDING INDUSTRIES

Precision weighing and force measurement since 1937

# About **BLH NOBEL**

---

BLH Nobel, part of Vishay Precision Group, is the pioneer and market leader in heavy-duty process weighing and force measurement.

We design, manufacture, and support high-performance weighing systems installed in more than **100 countries.**



# Our Heritage

---

A legacy of precision spanning over 85 years

- 
- 1646** **Industrial Origins in Sweden**  
Bofors is founded as an ironworks in Karlskoga, Sweden. Even at this early stage, the need for precision in weighing and measurement emerges, forming the origin of the Nobel branch in BLH Nobel.
  - 1894–1896** **The Alfred Nobel Era Begins**  
Alfred Nobel acquires Bofors, his final major investment. His name lives on through both the Nobel Prize and the legacy of BLH Nobel.
  - 1938** **Breakthrough in Strain Gauge Technology**  
Dr. Arthur C. Ruge at Massachusetts Institute of Technology develops the bonded wire strain gauge, the core technology behind BLH Nobel's load cells and modern force measurement.
  - 1939** **Commercialization of the Strain Gauge**  
Ruge-deForest begins collaboration with Baldwin-Southwark to commercialize the strain gauge, marking the starting point of the BLH branch.
  - 1955** **Birth of BLH Electronics**  
Baldwin-Lima-Hamilton acquires Ruge-deForest and establishes BLH Electronics, the company that gives BLH Nobel its name and American technological heritage.
  - 1976** **First Transatlantic Integration**  
Bofors acquires BLH Electronics. Swedish industrial weighing tradition meets the American strain gauge pioneer.
  - 1985** **Formation of Nobel Elektronik**  
Bofors' load cell division forms Nobel Elektronik, the predecessor of today's BLH Nobel, focused on industrial weighing and the patented KIS load cell.
  - 2000** **Entry into Thermo Electron Corporation**  
Nobel Elektronik becomes part of Thermo Electron Corporation.
  - 2002** **Unification Under Vishay**  
BLH and Nobel are brought together under Vishay Intertechnology. Expertise from both branches is unified within one company.
  - 2010** **Formation of Vishay Precision Group**  
Vishay Precision Group is formed as a standalone company to focus on precision measurement technologies. BLH Nobel becomes one of several specialized brands within VPG's global organization.

# Our Services

---

## Design integration support

BLH Nobel delivers complete solutions for process weighing and force measurement – from system design and installation to calibration and advanced analysis.

With deep technical expertise and decades of experience, we provide reliable measurement data and qualified decision support that strengthens safety, quality, and ROI.

ISO 17025 accredited Force Laboratory since 1984.





## Our Products

---

### Innovative solutions and Swedish engineering

We develop and manufacture products and solutions for measuring compression, tension, and torque.

Through in-house production and development in Sweden, we offer customized solutions, **standard products**, and **complete measurement systems**.

# Our Industries

---



**AUTOMOTIVE**



**OFFSHORE**



**METAL & MINING**



**CRANE WEIGHING**

We also serve OEM partners with custom-integrated weighing solutions for vehicle manufacturers and equipment builders worldwide.



**PHARMACEUTICAL**



**CHEMICAL**



**PULP & PAPER**



**FOOD & BEVERAGE**

# Our Products

---



## KIS Load Cell

---

**Our flagship product.** The unique double-cantilever shear beam design delivers unmatched insensitivity to vibrations, side forces, twisting, and thermal expansion. One standard platform serves as the basis for countless applications — eliminating the need for multiple load cell types. Capacities from 1 to 500 kN. ATEX/IECEX certified versions available.

Available with integrated load cell amplifiers for direct digital communication with your process control system.

Designed and manufactured in Sweden.

## KOSD / KIMD

Robust shear beam load cells for harsh environments. Cylindrical design, easy installation. ATEX/IECEX certified.

## KDH

Weigh module for capacities up to 200 tons. FM and ATEX approved. Ideal for silos, tanks, and weigh bridges.

### TankMount

Single-ended shear beam, up to 5 tons. Semi-floating design for easy retrofit. IP68/IP69K sealed.

## CLC

Ultra low-profile load cell, insensitive to side loading. High repeatability and long-term stability. Ideal for on-board weighing.

## FMU / PST

Web and strip tension measurement for paper and steel mills. Field-proven 20+ years. Standard KIS cells for easy replacement.

## Custom Products

Whatever your measurement challenge, we can design and manufacture a solution. Custom load cells and transducers engineered via CAD/FEA to meet your exact specifications — any capacity up to 4000 tons, in ultra-high strength steel, stainless, or super duplex materials.



## **G6 Instrument**

---

Next-generation modular multi-channel instrument, building on 20 years of G4 success. Up to 8 independent scales with advanced communication including PROFINET, Profibus, Ethernet/IP, and CANopen.

Over 250 customizable software packages tailored to your specific process. Modular architecture allows flexible configuration — from simple single-scale weighing to complex multi-point process control. Designed for demanding industrial environments where precision and uptime are critical.

## **G5**

Single-channel process instrument with the same robust platform as the G6. PROFINET, Profibus, Ethernet/IP. Panel or DIN-rail mount. Ideal for standalone weighing applications.

## **AST5P**

Advanced next-generation instrument platform combining high-precision measurement with modern connectivity. Compact design for space-efficient integration.

## **WST5**

Versatile weight indicator available in three versions — panel mount, wall mount, and desktop. Intuitive interface with flexible connectivity for daily industrial weighing operations.

## **Systems & Accessories**

Complete system solutions including junction boxes, summing units, power supplies, cables, and communication interfaces. Everything needed for a fully operational weighing installation — delivered with full documentation and technical support.

# OEM Partner

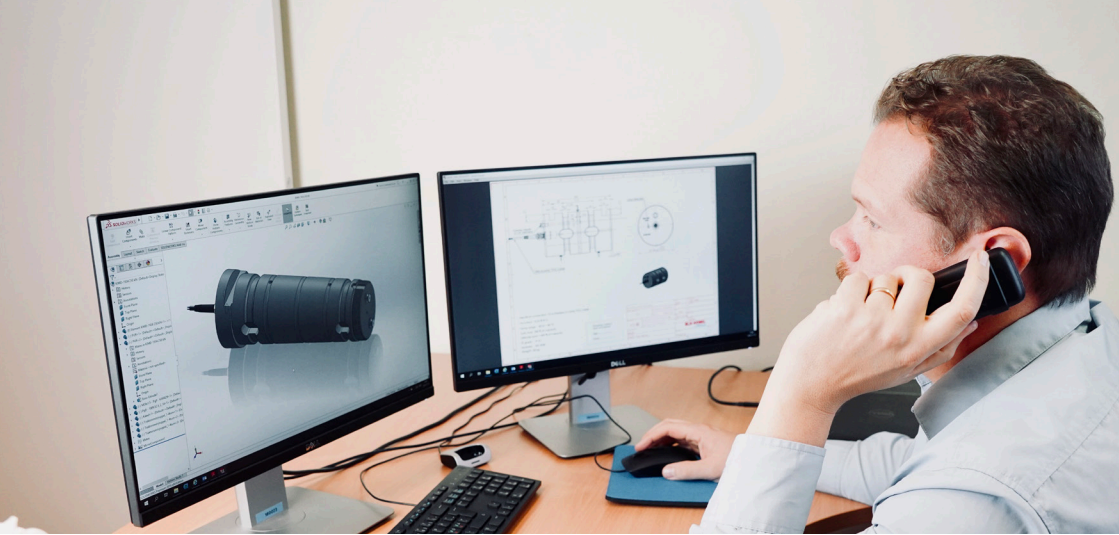
---

## YOUR TRUSTED PARTNER FOR INTEGRATED WEIGHING SOLUTIONS

BLH Nobel offers fully customized onboard weighing solutions for vehicle manufacturers and industrial OEM partners. Our systems are designed to integrate seamlessly into your existing infrastructure.

With decades of experience and tens of thousands of systems installed worldwide, we deliver premium quality at competitive price points – from custom load cells and amplifiers to complete electronic weighing units with embedded software.

**20,000+ onboard weighing systems delivered to Volvo Construction  
Equipment alone**



## Quality without **compromise**

---

- ISO 17025 accredited since 1984
- In-house development & manufacturing
- Global service network
- 100+ countries worldwide
- Part of VPG, NYSE listed



# Enhanced **process** and **quality control**

---

BLH Nobel is a niche technology company specializing in process weighing and force measurement.

BLHNobel.eur@vpgsensors.com

BLHNobel.usa@vpgsensors.com

BLHNobel.asia@vpgsensors.com

[www.blhnobel.com](http://www.blhnobel.com)



The document and the products described herein are subject to change from time to time without notice and are also subject to specific disclaimers. **Please visit <https://vpgsensors.com/disclaimer> for more information.**