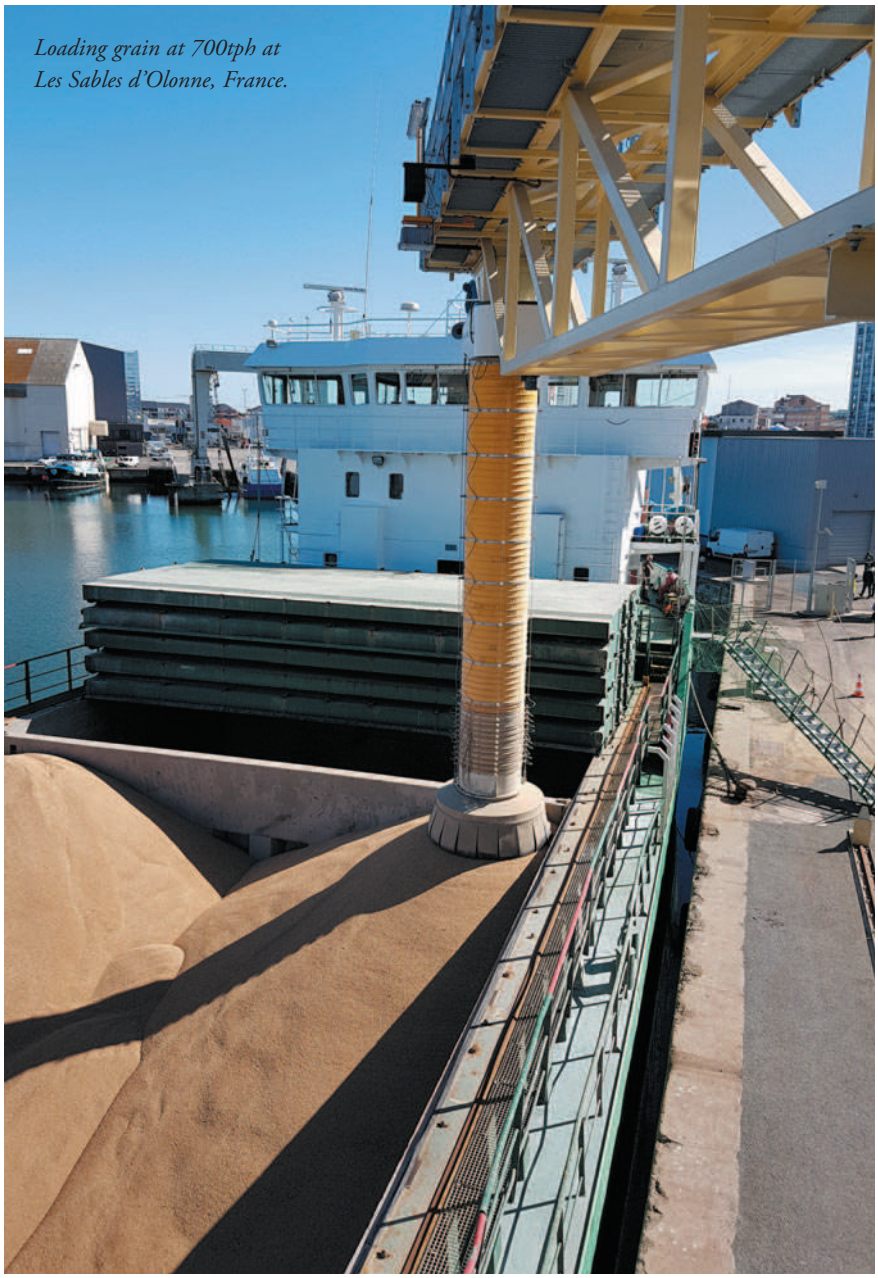
VIGAN Engineering: ensuring global food security with state-of-the-art technologies and a firm commitment to customer service

While vessels and port terminals co-ordinate the daily choreography of bulk commodities, most people remain unaware that behind every safely unloaded tonne of grain stands a machine of exceptional precision — and, even more importantly, the engineers who design it. For more than 50 years, VIGAN Engineering has been part of this discreet yet essential ecosystem: the one that enables the global movement of cereals and, by extension, contributes to planetary food stability.

At a time when demographic growth, geopolitical tensions, and environmental expectations strain global logistics, the Belgian company assumes a role few see but everyone depends on: acting as an architect of vital flows, ensuring performance, control, and sustainability at the world's ports.



Loading grain at 700tph at Les Sables d'Olonne, France.

A HUMAN SIZED COMPANY AT THE HEART OF A GLOBAL CHALLENGE

Founded in the 1960s, VIGAN quickly invested in what was then an emerging technology: pneumatic unloading, capable of handling fragile and dusty products with minimal losses. This pioneering stance positioned the company as a global reference in a sector where reliability is not optional — it is foundational to food security.

What differentiates VIGAN is not only technical performance, but an organizational vision built on three strong principles:

1. ENGINEERING SHOULD STAY FULLY IN HOUSE

From first sketch to pre assembly testing, every step is performed internally.

Barge unloading at 200tph at Merksem, Belgium.

This complete control guarantees uncompromising quality, and consistent technical integrity, in an industry where outsourcing is often the norm.

2. EVERY PORT, EVERY CLIMATE, EVERY REGION DESERVES A UNIQUE MACHINE

No two VIGAN machines are identical. Local constraints such as dust conditions, humidity, noise regulations, quay layout, expected throughput, … all shape custom-engineered solutions.

3. CUSTOMER SUPPORT IS A LONG TERM COMMITMENT

VIGAN doesn't just deliver a machine, it delivers continuity. Assembly teams, operator training, maintenance, audits, and

modernization services ensure that the equipment remains efficient over decades. In a world where many unloaders operate for 30 or even 40 years, this long-term relationship is as crucial as the hardware itself.

More than just ship-unloaders

Though widely recognized for its pneumatic ship unloaders, VIGAN's role in modern port logistics extends across a much broader spectrum. Its expertise includes:

- shiploaders;
- mechanical conveyors;
- mobile vacuum units;
- bagging and truck loading stations; and
- full turnkey grain terminal solutions.

This end to end approach allows VIGAN to support the entire bulk cargo chain, not just the unloading stage, positioning it as a technical conductor orchestrating the entire operation.

VIGAN'S pneumatic NIV600 CSU in Dunkirk, France.

How VIGAN supports global food security

As geopolitical instability affects cereal flows, ports have become strategic chokepoints in the global food system. In this complex equation, VIGAN's machines act as essential stabilizers.

Each grain transferred without loss is a grain that becomes food. Through airtight pneumatic handling and optimized airflow systems, VIGAN directly contributes to reduced losses and dust emissions, an invisible but vital factor when handling millions of tonnes per year.

Ports increasingly coexist with urban areas. By reducing noise, vibration, and dust, VIGAN doesn't just meet regulations: it helps maintain the social acceptance of port activity and ensures harmonious coexistence between industrial and residential zones.

Advanced turbines, multi stage blowers, smart automation systems, and intelligent electronic controls significantly reduce power consumption. At a terminal scale, this translates into major savings and a meaningful reduction in carbon footprint.

VIGAN's NIV 800 unloading in Callao, Peru.

Smart design as an industrial philosophy

While heavy industry often leans toward complexity, VIGAN defends a very different philosophy: remove everything that is unnecessary.

This minimalist, efficiency driven approach results in:

- reliable machines;
- simplified maintenance; and
- lower lifetime operating costs.

It is a form of "low noise engineering" — figuratively and literally — where the performance is discreet, but the impact is everywhere.

A global footprint

Recent years have reaffirmed VIGAN's global relevance through major installations:

- **South America:** terminal upgrades that improve productivity while reducing environmental impact.
- **North Africa:** high reliability systems supporting national grain security in harsh climates.
- **Asia:** high capacity solutions adapted to rapidly growing demand for imported cereals.
- **Europe:** modernization of ageing port infrastructures with the latest technologies.

VIGAN does not simply supply machinery; it delivers solutions tailored to national-level challenges.

VIGAN's NIV 800 unloading in Callao, Peru.

automation of terminals.

A DISCREET YET INDISPENSABLE PLAYER

VIGAN is not a media giant. It is a company of engineers, technicians, designers, and field specialists who together make something immense possible: the safe, clean, and continuous movement of the grains that feed the planet.

Through innovation, global presence, and pragmatic, customer focused engineering, VIGAN shows how a discreet company can exert a powerful influence on the stability of global food logistics.

HELPING PORTS FEED THE WORLD FASTER AND CLEANER

By 2050, the world population will exceed 9.7 billion. Global grain flows must increase by roughly 50%. Ports, central nodes of the food supply chain, will need to operate faster, cleaner, and more efficiently.

VIGAN is already preparing for this shift, working toward solutions that:

- increase unloading speed and reliability;
- reduce logistics costs;
- limit losses and emissions; and
- accelerate the modernization and

The VIGAN factory in Nivelles, Belgium.