

STACKING UP RESULTS

RETROFITTING A COLD-ROLLED SLITTER FACILITY WITH FUTURE-READY AUTOMATION

CR Slitters was preparing for a retrofit and partnered with CareGo to design smarter from the ground up.

Together, we tailored every element of the new space to their operational needs — including retrofitting legacy equipment worth preserving. We equipped CR Slitters with a high-performance, autonomous environment built for long-term success.

THE CHALLENGE

The company needed to expand capacity and modernise operations *without leaving valuable legacy investments behind*. With an eye toward long-term efficiency, **they needed a facility design that could increase capacity without adding square feet**. The challenge was building something future-ready — without the cost of starting from scratch.

THE SOLUTION

CareGo consulted on the full facility build. We integrated TELIA automation with retrofitted legacy equipment for a right-sized, high-density operation.

- **Retrofit legacy assets:** Three existing coil transfer cars were retrofitted and integrated into an automated workflow.
- **Right-sized facility design:** We optimised the new layout for storage density and throughput, lessening the building size requirement by close to 25%, **ultimately saving CR Slitters approximately \$2.5 million CAD** in upfront construction costs + additional recurring savings related to taxes and utilities.
- **TELIA-managed automation:** TELIA coordinates **11 assets** — including lifting devices, overhead cranes, and ground level transfer cars — in a seamless intralogistics system from receiving to shipping.

**59K
TONS**
Autonomously
Stored

25.3%
Growth in
Throughput

**132.9
TONS**
Stored Per
100 Sq.Ft.



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“ We just tell the system, ‘these are the 45 coils we have to process.’ And on the night shift, all those coils are retrieved from our inventory without the need for human intervention in a fully lights-out environment.

Alain Duclos, CEO, CR Slitters



Hands-Off Coil Movement

TELIA drives the entire workflow end-to-end, delivering **seamless coil handling from receiving to shipping** with **zero manual intervention** in critical zones.



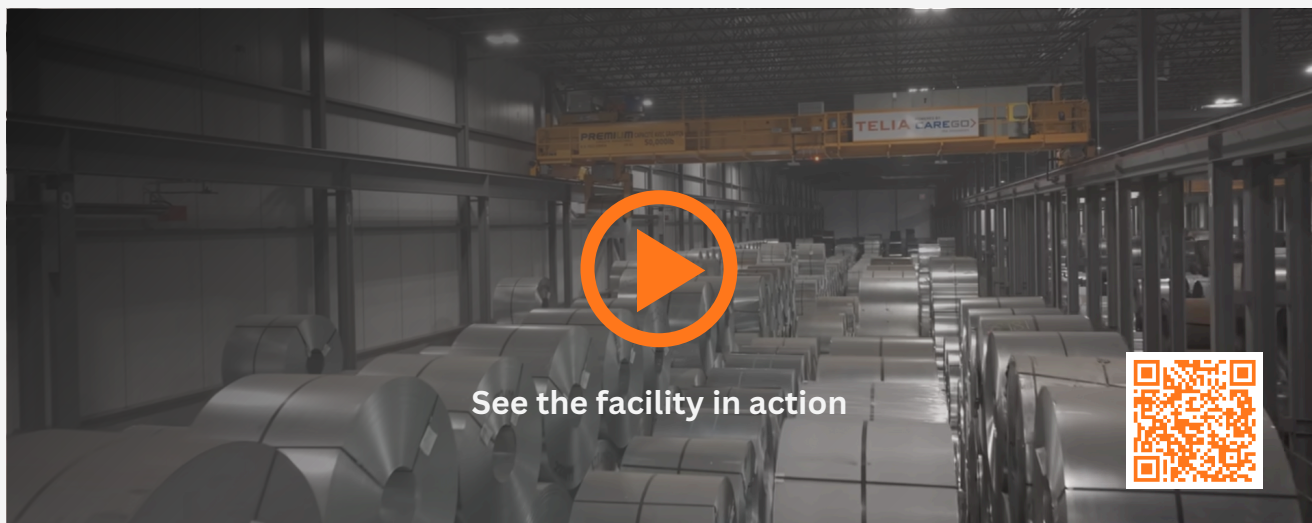
High-Density, High-Precision Storage

With **11 smart cradles per receiving bay** and **precision stacking**, the facility stores 133 tons per 100 sq. ft. — achieving a **20% increase in coil capacity** without expanding the footprint.



Safer, Smarter Operations

The **removal of personnel from critical handling zones** has meaningfully improved safety, while real-time job prioritisation through **TELIA's flight path keeps operations running at peak efficiency**.



What began as a plan on paper is now a benchmark for what's possible when facility design and automation are built together. **This facility's modernised operation offset upfront building construction costs by \$2.5 million, stored 59,000 tons of coils autonomously, and grew throughput by 25.3%** — all while costing less than a ground-up build. By right-sizing the space and preserving legacy assets, CareGo delivered a future-ready facility that performs smarter at every level.



Learn more about TELIA-automated environments at www.carego.com