DESIGN | DEVELOP | DELIVER

COLD&CONTROLLED®
INCREASE CAPACITY AND MINIMIZE COSTS
The food industry is facing many challenges, especially in the manufacturing and distribution segments. Rising costs, changing consumer habits, SKU proliferation and environmental pressures are driving manufacturers to implement new processes simply to keep up.

Changes in society and dietary preferences are transforming the global market for food. Many consumers are demanding convenient, easy-to-prepare and exotic foods. Meat is more popular than ever, spurred on by increases in population and disposable income. Furthermore, the growing business within the food industry is also changing the way warehouses operate. Together, these trends have an huge impact on the TC food environment temperature-controlled foods.

Can your warehouse meet the increased demands of your customers? Your temperature-controlled food warehouse is a vital link in the cold chain that requires high quality at every point. The need for speed calls for faster, more efficient receiving and dispatch across a broader range of SKUs. To keep up, you need to add capacity and ensure maximum uptime.

### EFFICIENCY REDEFINED

**THE VALUE OF RELIABILITY & EFFICIENCY**

Your business is our business. At Swisslog, we constantly design, develop, deliver and support new innovations with a clear focus on market trends. We pioneer deep-freeze automation systems, and have already developed and installed more than 50 solutions in this segment. You can count on Swisslog to define the way to a customized, industry-specific solution that helps to meet your growing demand. Most of all, you can count on savings. Our Cold&Controlled solution portfolio will pay for itself in reduced energy and labor costs alone.

**Developing value through automation, performance, efficiency and control**

The typical challenges of running a warehouse are magnified in the deep-freeze environment. It’s hard on both your staff and your equipment; standard distribution equipment simply can’t cope with the conditions.

We take a goods-to-person approach over person-to-goods picking. We can automate any of your manual storage, distribution and order picking processes. This keeps your employees out of the deep freeze environment and it also improves speed and accuracy. Our experts specify environment-capable materials and equipment, even assessing third-party products for suitability.

The key to your performance is throughput, particularly with increased demand. A high degree of automation enables maximum throughput to provide frozen food delivery to the end-customer. Our Cold&Controlled solutions for material handling, order fulfillment and inventory control reduce risk and complexity. They also help you control the cold chain, enabling greater food traceability for security and efficiency.

As demand grows, floor space becomes limited and invaluable. An automated system that uses high-density storage, stacked vertically or multiple-deep, optimizes your floor space. It can reduce your need to expand or relocate and also decreases energy costs from cold lost through the roof.

The return on your investment in your automated logistics system begins immediately. Optimized systems use less energy for freezing and automation. They also require fewer employees. The savings accrued in as few as three years can pay for your new Swisslog system.
COLD&CONTROLLED
SOLUTIONS DESIGNED FOR TEMPERATURE CONTROLLED FOOD ENVIRONMENTS

Swisslog’s Cold&Controlled solution design is flexible, scalable and reliable. It is a modular concept that can be tailored to meet existing requirements as well as adapted to future needs. Conveyor and lifting technology, warehouse management software, pre-configured system such as StackRunner or CaddyPick, and extensive industry expertise are combined to create tailor-made solutions. These guarantee high pick rates, energy-efficient storage and transportation while meeting regulatory requirements.

BENEFITS
- 99% uptime due to reliable automation concept
- Reduced labor cost
- Maximized throughput guarantee fresh food delivery to end-customers
- Dense storage concepts for reduced energy consumption
- Control over the cold chain due to food traceability
Proven Expertise:

How we have helped leading businesses to stay ahead of their competition with Cold & Controlled

APETITO, GERMANY

Founded in 1958, the family-owned company specializing in frozen ready-made meals is a market leader in the food industry. Apetito has 8,900 employees worldwide following a tremendous growth strategy.

Customer Challenge: The previous deep-freeze warehouse was 35 years old and the capacity reserves of the system were exhausted at peak times. Continuous business growth called for a new and considerably more powerful Intralogistics system.

Results:
- Faster order processes and reduced operating costs.
- Increased efficiency due to automation and better working conditions.
- Ergonomically optimized workstations.
- Expandable at any time to meet new requirements.

NORBERT DENTRESSANGLE, BELGIUM

Norbert Dentressangle is an international transport, logistics and freight forwarding company. They develop high added value solutions in its three sectors, across Europe, America and Asia. In addition, they place sustainable development at the heart of all their activities.

Customer Challenge: Due to continuous growth, the decision was to invest in a flexible logistic solution that could expand with their frozen food distribution business.

Results:
- Accommodates both current and future demand of the 3PL service.
- Increased storage volume and picking efficiency on the smallest possible footprint.

TINE, NORWAY

TINE SA is Norway’s largest producer, distributor and exporter of dairy products.

Customer Challenge: Due to continuous growth, the company decided to go for a new greenfield automated warehouse and distribution center, with a focus on efficiency and ergonomics.

Results:
- Better area utilization, that leads reduced building costs.
- Flexible and simple solution that creates better ergonomics for employees.
- Fast moving products ordered and released more quickly and in the right sequence.
- Potential cost saving in the warehouse >20%.

ABOUT SWISSLOG

In today’s competitive world, companies must be able to deliver the right orders to the right customers at the right time. Errors and delays in order fulfillment can have a lasting negative impact on the brand, reduce operational flexibility and prevent the reduction of inventory to release capital for growth.

As a committed partner and full-service provider of automated Intralogistics systems, Swisslog delivers everything companies need to optimize their logistics, from planning through implementation.

Our order fulfillment and inventory solutions enable companies to achieve the highest throughput at the lowest cost, efficiently handle large catalogs of SKUs, and accurately meet delivery demands and requirements.