



## Large-Scale Egg Production Facility

### Industry Issue/Challenge

A large-scale egg production facility in Seymour, Indiana operates a high-output egg sorting line that runs continuously, processing millions of eggs through washing, sorting, and grading. The chain conveyors in this application are subjected to rigorous washdowns and constant use, requiring components that offer both durability and compliance with hygiene standards.

The facility had been satisfied with its existing chain supplier. However, their internal policy required any new chain to demonstrate a minimum service life of 9–10 months in order to be considered as a replacement.

In 2023, the operations team was introduced to iwis b.triton chains. After a thorough evaluation, they agreed to trial the solution—on the condition that it could significantly improve chain life under their demanding operating environment.

### Application

The application centered on the egg sorting line, which features simple drive chains operating in a washdown-intensive environment. These chains are responsible for moving eggs through cleaning, sorting, and grading stations, all while maintaining food-safety compliance and consistent uptime.



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## Product Solution

iwis supplied a b.triton chain specifically designed for use in food processing environments subject to frequent washing and sanitation. iwis b.triton has been designed using a proprietary zinc coating, that makes its resistance to moisture and corrosion. The result exceeded expectations. Where the previous chains reached a maximum lifespan of 9 months, the iwis chains doubled that duration—lasting 18 months before requiring replacement.



## Results

Chain life increased from

**9 months to  
18 months**

doubling the expected  
performance threshold

**\$200,000+**

in annual savings from  
reduced chain purchases  
and lower maintenance  
frequency

**Improved line reliability and uptime** on egg  
sorting equipment

Enhanced resistance to washdowns and corrosive  
environments, ideal for food-grade operations