



# Blockchain

Blockchain is a shared, immutable ledger for recording transactions and tracking assets in a business network. With blockchain technology, companies can establish a transparent supply chain, verify the authenticity of product claims and gain consumer trust.

Overview	Challenge	Solution	Results
Connecting through Blockchain – Increasing productivity and profitability.	How to track devices through a supply chain in the medical devices sector?	Each supplier was invited to the blockchain, added data about the parts they were making, and added status.	Able to view the origin of raw materials, have an estimated delivery of parts from 30 different suppliers, and guarantee provenance of medical grade products. This led to a significant increase in productivity, approximately 5-10% increase in turnover due to increased capacity, and 70% reduction in manual report creation.
Food and Beverage Traceability – Showcasing the truth of your product.	How to create a safer and more transparent supply chain?	Used blockchain technology and included a QR code on food and beverage products to allow the customer to see exactly how the product was made.	Using blockchain enhanced the transparency of product information, reduced food fraud, and waste. It increased food safety and profitability among food suppliers. And it improved consumer information, boosting trust & sales.  <b><u>See how a County Down enterprise uses blockchain to reveal everything that a consumer would want to know about their beer!</u></b>