



temperature



pressure



humidity



vibration



power



touch



GPS



gateway



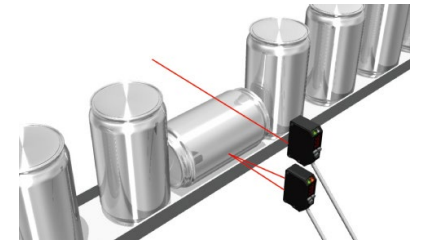
cloud

## IIoT Solved: Improved Packaging Line Performance Equates to More Beer!

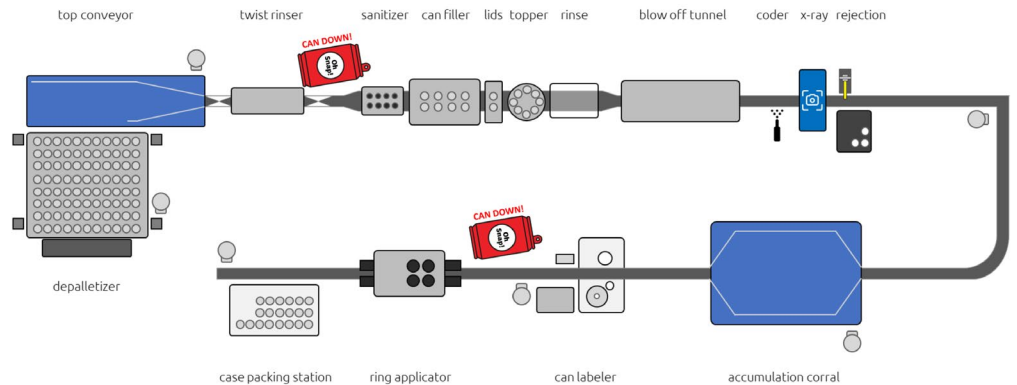


And who doesn't want more beer? Without the huge investments in mechatronics like that of the brewing behemoths, craft brewers struggle to get their beautifully-crafted products to the shelves. Second-hand, budget-friendly canning lines often jam, resulting in production stoppages, damaged cans, increased waste and reduced yield, meaning less beer to sell to their loyal customers. By applying Industrial IoT technologies to their packaging line, a craft brewer in Boston is now able to react quicker to canning line disturbances, like jammed or fallen cans, resulting in more happy customers and a healthier bottom line.

Combining Edge solutions from Dell Technologies, IO-Link smart sensors from IFM Efector and IIoT-driven deviceWISE software from Telit, Technotects designed a solution that allowed shop floor staff to easily visualize and manage the entire line from a central point, minimizing machine downtime and maximizing factory floor efficiency. Smart sensors are positioned on the conveyor at multiple levels so that the sensors detect only fallen cans, even if the can surface is shiny and wet.



Animated Telit graphics on large wall mounted displays combined with IIoT telemetry through a high-speed Digi EX50 5G router on the T-Mobile 5G network allow the production staff, brewery management team and remote support personnel to keep a watchful eye on the system.



## Key IIoT components & technologies



**IO-Link Smart Sensors**  
 IFM O6P309 Hygienic  
 Photoelectric  
 Retroreflective Sensors



**IO-Link IoT Masters**  
 IFM AL1353 Hygienic  
 8-Port IOLM  
 IIoT Core w/MQTT



**Edge Compute Gateway**  
 Dell 3200 EGW  
 Fanless, Win10 IIoT  
 ETH/WIFI/5G



**5G Cellular Router**  
 Digi EX50  
 5G/4G LTE/WiFi6/2.5GB  
 Ethernet



**IIoT Edge HMI/SCADA**  
 Telit deviceWISE View  
 Dashboards, Analytics,  
 Edge Logic Engine

CONTACT US FOR HELP WITH YOUR NEXT IIOT PROJECT



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