Highlights of Customer Use Cases

Multinational Automotive Manufacturer under federal safety mandates needed to enforce strict adherence to workflow procedures when torque and other quality control limits were exceeded. SQUEAKS escalates non-conformance or regulatory compliance concerns up the chain of command depending on the severity of the issue.

International Lumber Mill wanted to increase awareness on production levels relative to goal across all of its twenty (20) USA mills. SQUEAKS provides plantwide insight on numerous large LED displays at each location by cycling through screens driven by PLC data along with critical measures that are part of internally built business intelligence dashboards.

Automotive OEM set out to cut the time associated with sharing troubleshooting documentation with plant personnel following machine faults. SQUEAKS marries-up troubleshooting instruction guides (.pdfs and videos) with machine fault events to cut the sharing of critical information from one hour to one minute.

Steering System Manufacturer was mandated by its customers to achieve 100% product traceability and tighter process control to prevent bad product from ever shipping. SQUEAKS captures traceability violations and communicates them immediately, along with product identification and defect details, to appropriate personnel to ensure defective products never advance down the production line.

Primary Aluminum Producer required real-time alerts on critical process events and EPA compliance concerns from their MES production and casting systems. Push notifications are directed from SQUEAKS to the senior management team as concerning events occur. In addition, a morning report of key performance indicators is pushed to team managers and line supervisors. And quality-related workflows are enforced as product advances throughout the operation.

Bakery Ingredient Manufacturer wanted to share a morning video from the plant manager to the management team. Their safety managers also wanted to share photos and videos of concerns or violations to everyone in efforts to minimize OSHA-related incidents and reinforce the importance of employee safety. SQUEAKS improves team communication and company culture.

Tier One Automotive Supplier wanted to standardize visual communication reporting in a bad-news-first approach across all of its North American plants. SQUEAKS provides user-customizable views across large LED displays in the COO's office that are utilized in team meetings. SQUEAKS elevates employee confidence in the numbers and drives increased accountability and ownership of production concerns at the plant level.

Global Consumer Tools Manufacturer wanted a compact, easy-to-deploy communication platform to advance their Industry 4.0 initiative, which included the integration of 3rd party performance-oriented apps that they were building in-house. SQUEAKS broadcasts KPI status relative to goal on OEE, downtime, run rate, etc. onto shop floor LED displays and management mobile devices. In addition, SQUEAKS enforces workflows based on events/incidents associated with product quality while calls for assistance are directed to the appropriate support personnel.

Automotive Tire Manufacturer needed operators and quality personnel to be immediately notified and workflow procedures followed after process variables (temperature and pressure) in the curing area exceeded limits. SQUEAKS seamlessly integrates with their SPC package and communicates these process-related alerts to minimize the possibility of a product defect advancing downstream in the manufacturing process.

Aluminum Packaging Company wanted predictive maintenance alerts around oven temperatures. SQUEAKS generates push notifications to mobile devices around process variables that can impact production downtime and product quality. Downtime and other production information is broadcast to roughly thirty (30) LED displays across eight (8) lines running SQUEAKS MultiView.

Metal Stampings Manufacturer wanted to improve the communication of press metrics such as OEE relative to target and safety-related concerns to production supervisors. SQUEAKS drives information to production displays as well as mobile devices that are holstered by supervisors. When a particular press is down for an unacceptable amount of time, a Squeak goes out to the production supervisor and eventually escalates up to the plant manager. Safety concerns are squeaked to appropriate personnel including HR. Calls for tow motor drivers include; die removal, die set, scrap removal, containers need picked up either because full or empty, and raw material needed, to cite a few.

Global Robotics Integrator desired an Industrial Internet of Things (IIoT) communication platform that would integrate with its existing cloud-based intelligence center solution in order to deliver proactive service and remote customer support. SQUEAKS facilitates communication between on-premise customer personnel and the company's off-site service department. In addition, SQUEAKS provides a view into the robotics cell during production via IP cameras that display real-time feeds onto 4K LED displays throughout the plant.