## CASE J Study: PROBLE

## SmartCan Digital Conversion Boxes Generate New Cost-Saving Opportunities

J & D Produce, a large supplier of fresh produce for Texas and New Mexico that ships nationwide, were experiencing costly service and downtime issues with their existing multi-platform truck scale. The frequent scale breakdowns were causing labor bills to pile up, and production delays were causing significant shipment interruptions to produce consumers. Troubleshooting the older multi-platform scale was time consuming and costly. With 14 older alloy cells and three individual scales, trying to diagnose drifting and failing load cells would take extensive periods of time.

J & D Produce contacted Kyle Crane of IWCS Scale to seek a solution for their lengthy diagnostic process. Kyle suggested the Cardinal Scale SmartCan analog-to-digital junction box. The SmartCan system allows scale users to digitally monitor each individual load cell and identify the cell failures quickly and effectively. With the economicalsized enclosure of the SmartCan, and no cumbersome external power supplies to deal with, Kyle had all load cells connected to the SmartCan system. J & D Produce's multi-platform scale simply required two SmartCan boxes and the assignment of individual groups of cells in the three-scale menu selection of

the Cardinal Scale 825D indicator. The two SmartCan boxes were installed by connecting the fiveconductor cable from each box and connecting the exiting home run cable to the DLC digital load cell card in the Cardinal Scale indicator. Now the three-scale system had digitalstrength information signaling for their truck scale system.



J & D Produce also wanted the option to access their truck scale weight data remotely since their scale system is unattended. IWCS Scale suggested a simple PC-based solution by



connecting the scale indicator to the office PC through their existing network cable. This enabled them to view the 825D indicator display on their PC, and monitor produce shipment weights in real time. In addition, Kyle utilized the Ethernet port on the 825D indicator to connect the scale to his iSite dashboard on the CardinalScale.com website. Kyle can now monitor J & D Produce's scale in real time while receiving diagnostic alerts when any load cell issues arise.

SMARTCAN



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USER 09/17/2019 13:46:43	Digital Load Cell Diagnostics Load Cell Weights V	Digital Load Cell Diagnostics Load Cell IDs / Software Versions
P1 00 1b	1 <u>300 1226 2576 1537</u> 1300 1226 2576 1537	1BA7630A 1BA7630C 1BA7630E 037A541B 0.0.0 0.0.0 0.0.0 0.0.0
P2 00 1b	968 2110 1567 2463	1BA7630B 1BA7630D 037A541A 037A541C 0.0.0 0.0.0 0.0.0 0.0.0
	2	2468>
TOTAL lb G	Z)ero N)ex	P)revious N)ext
OPRINT DO ZERO	Press 'W' to jump to this from other diagnostics screens	Press 'R' to jump to this from other diagnostics screens
The 825D indicator displays the three individual platform weights for a multi-platform scale all onscreen simultaneously.	Cardinal Scale's 825D indicator displays live individual load cell weights graphically on the weighbridge diagram.	Cardinal Scale's 825D indicator shows the individually-assigned serial number for each analog load cell on the weighbridge diagram, so that they can be
J & D Produce is very pleased with the increase in production time and efficiency. The addition of iSite gives J & D Produce the diagnostic	This will allow J & D Produce to save their hard-earned money and prevent lengthy scale downtimes in the future	recognized independently within SmartCan digital diagnostics.
power to be immediately alerted of load cell issues and minimizes the guesswork required with traditional electronic load cell systems. This simple upgrade of utilizing a SmartCan digital system creates a leap forward in load cell technology.	Cardinal Scale Manufacturing Co.	
J&D PRC W CONFE	NTRANCE	

The customer, J&D Produce, who is utilizing the SmartCan digital conversion system for their multi-platform truck scale.

Older model alloy steel analog load cells that were difficult to diagnose by volt meters previously with the existing analog junction box.

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