

API-Cecom Group *n'fo*

Technical & Application Note A139

Application: Monitor load cells for weighing containers

Type of Company: Cargo handling

Location: Georgia

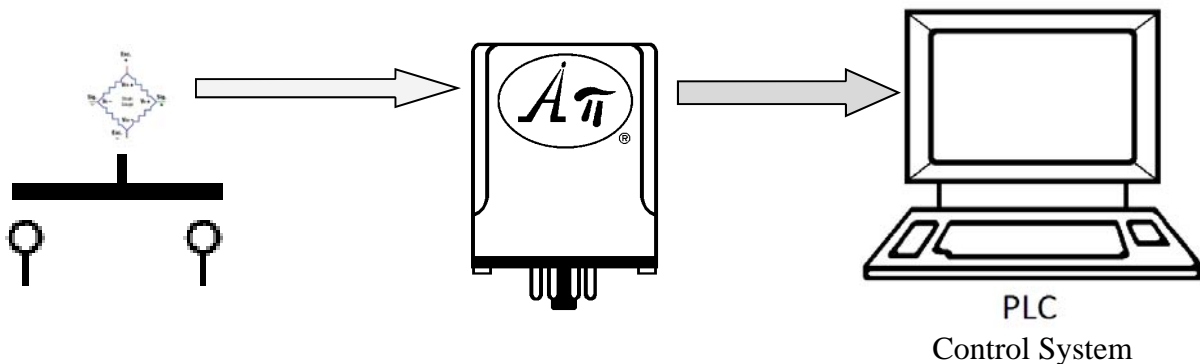
Problem: The customer is a leader in the operation of modern seaside shipping terminals who specializes in the handling of container, reefer, break-bulk and RoRo cargoes. They are using load cells on the large cranes to weigh cargo but they required an interface device for the load cells that is hot swappable, field range-able and easy to calibrate for the control system.

Solution: API furnished the customer an API 4058 G . The API 4058 G provides the excitation power to the load cell and is fully field range able for the excitation supply, sensitivity (output from the transducer) and DC current output. The unit is hot swappable so any system down time can be eliminated. The output 4-20mA signal was sent to their control system for indication and to maintain the proper “weight” for the transported cargo.



API 4058 G

Field Rangeable Strain Gauge/Load Cell to DC Transmitter



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