

# CASE STUDY

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**AIR POWER** INC.

## QX DRIVES QUALITY

Manufacturing facilities in today's competitive market strive to produce the highest quality product. In this case study we will discuss the importance of recognizing every company's desire to produce a premier product.

### Customer:

A global manufacturer, producing products for the hog and poultry industry, headquartered within Eastern North Carolina.

### Challenge:

In order to distinguish themselves within the marketplace the current method of assembly: non shut-off impacts, clutch tools, and hand wrenches, was not satisfactory. Examination by Quality Control Engineers revealed that some critical fasteners were working themselves loose during shipment and installation. Implementing an accurate solution to provide operator feedback and data collection was deemed necessary.

### Air Power Solution:

In partnership with the customer, Air Power implemented an Ingersoll Rand QX Precision Fastening System. This hand held, battery operated, solution provided a much more accurate final torque, while providing the operators with tightening status feedback, actual torque values, and 1,200 rundowns of tightening data for manual upload and review.



*IR QX Angle Wrench*



### Results

Currently, nine (9) tools are being utilized within the North Carolina, Georgia, and Indiana manufacturing locations with potential to expand into their European and Asian manufacturing sites.