

# Christopher Owen Experience

Teaches the Materials Engineering Senior Design courses as well as courses offered both on campus and distance through Purdue Engineering Professional Education Department: “Steel and Aluminum: Process, Structure, Properties” and “Lean Manufacturing”.

2015 Recipient of the Purdue Engineering Distance Teaching Award which is “Selected by students and presented annually by Division of Engineering Professional Education to an engineering faculty member who best represents excellence in teaching at a distance.”

In 2015, contracted with Materials Education organization to develop a materials substitution “Case Study: Conversion of the F150 body from Steel to Aluminum”.

34 years in industry in a variety of technical positions:

As Lean Manufacturing Director, in addition to implementing Lean in seven manufacturing facilities, personally lead Kaizen teams over two years to accomplish:

	<u>Before</u>	<u>After</u>
Spec Tube unplanned scrap	17.3%	11.5% (\$809k annual savings)
Driveshaft unplanned scrap	14%	9.5% (\$813k annual savings)
Airbus wing vent tube scrap	22%	6%

As Quality Director, in ten years accomplished:

	<u>Before</u>	<u>After</u>
Customer Returns (% shipments)	0.70%	0.07%
Quality Escapes	37	1

Customer returns were the 2<sup>nd</sup> best out of 12 business units

As Quality Manager, in three years accomplished:

	<u>Before</u>	<u>After</u>
Quality Lab Equipment Availability (%)	84	97
Corrective Actions verified in 30 days (%)	35	75
Source inspection findings (%)	13	3.8
7055-T77 property failures (%)	15	1.6
Quality Lab Flowtime (average days)	7	1.7
Quality Lab Operating/Testing Expense (\$ million)	3.5	2.0

