

# Apprenticeship Case Study: **INSTRUMENT TECHNICIAN**



Name

**Alex Bloomfield**

**Senior Control & Instrumentation Engineer - SIBCO Engineering (Working on contract with AMEC)**

TTE Qualification

**Instrumentation Advanced Modern Apprenticeship**

“ TTE gave me the opportunity to develop engineering skills, gain experience of industrial sites/plant environment and lay the foundations for a successful career. There was no promise of a job at the end of the initial 2 years training - but why should there be? Work hard, serve your time and be determined to succeed and eventually you will reap the rewards! ”

Career To Date

After two years at TTE, I completed my Instrumentation Engineering Apprenticeship at British Energy Hartlepool Power Station in 2004. I then progressed to University of Teesside to gain a BEng(Hons) Electrical/Electronic Engineering degree in 2007.

After graduation, I joined Day & Zimmerman as an Assistant Electrical & Instrumentation Engineer and worked on projects for BASF, Invista, Sembcorp and Baker Petrolite. In 2009 I moved to AMEC Nuclear as a Control & Instrumentation Engineer to work on projects for British Energy Nuclear Power Stations. This included hardware design, procurement and design work to replace obsolete control systems.

In 2010, I became a Senior Control & Instrumentation Engineer working as Lead Engineer on British Energy/EDF Energy projects. This work includes software code migrations, development of simulation/soft desk environments, code verification and hardware design.

