

Institution of Chemical Engineers

We certify that

Tim Callan

completed a short course on

HAZOP Study for Team Leaders

at

Staff House Conference Centre, University of Manchester

on

12-15 October 2004

Course Director



IChemE

R. Robinson

IChem^E

Institution of Chemical Engineers

This is to Certify that

Tim Callan

Completed the course on

Layer of Protection
Analysis (LOPA)

at IChemE, Manchester Conference
Centre, UK

on 18-19 September 2013

Signed Course Director

