

Pro/ENGINEER or Creo User Audit

Introduction

Engineers and Designers are often initially trained to a level that gives them a basic understanding of the concepts of Pro/ENGINEER or Creo and how to create parts, assemblies and basic drawings. Often, their knowledge of what can be achieved and the best way to meet their goals is severely restricted by not having access to the broader tool-set provided by Pro/ENGINEER and Creo.

As the software develops and new functionality is included, some modelling techniques are superseded by improved methods and this available extra performance often goes unrecognised.

Assessing the way in which Engineers and Designers currently use the software, in conjunction with an evaluation of specific company requirements and working practices, can identify improvements in knowledge for both individual users and general methodologies and procedures. Developing this knowledge usually pays dividends in respect of shortening project lead-times and acquiring more robust and reliable models which makes development and modifications faster and easier. In addition to this, job satisfaction takes a leap forwards.

Objectives

To examine, using a variety of different techniques, the current company requirements and deliverables, the way in which Pro/ENGINEER or Creo is adopted within the organisation to meet these requirements, and the engineers' application of the software to perform their design tasks.

- **Gain an understanding of current working procedures.**
- **Fully understand the company requirements and design deliverables.**
- **Discuss basic modelling principles with individuals.**
- **Discuss, assess and advise on alternative modelling techniques.**
- **Watch as users perform common modelling tasks.**
- **Use a combination of multiple choice and practical modelling exercises to gain a broad perspective of a users capability.**

To prepare a report outlining general trends in the design group and make recommendations to improve the use of the software.

To prepare, as part of the report, a summary of each individual identifying both their strengths and weaknesses with respect to their knowledge and practical use of the software.

To prepare for consultation either a training plan for the entire design department or a training plan for each individual.