

Functional Product Modelling

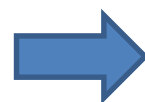
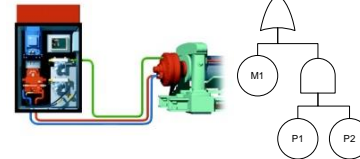
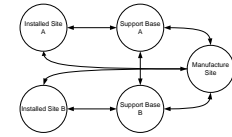
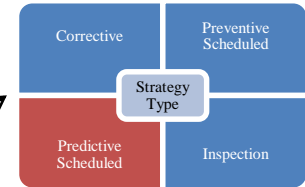
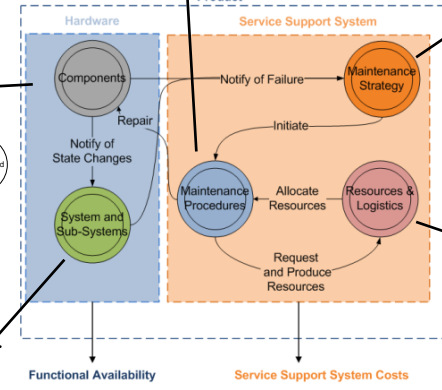
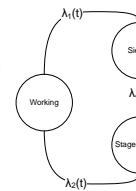
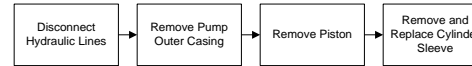


Background

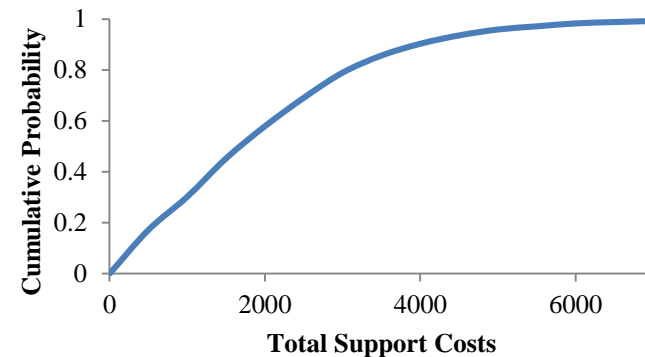
A functional product is where a customer is provided with a specified functionality at a guaranteed level of availability for an agreed upon price and the supplier bears the costs of providing this function through combined hardware and maintenance support service systems.

Objectives

- (i) Develop methods for representing, modelling and obtaining performance predictions (such as availability and support costs) for functional product hardware and service support system designs.
- (ii) Apply these methods to the analysis of functional product designs within industry.
- (iii) Develop software tools that utilise the methods to provide decision support to FP suppliers in industry.



Production process: Sintering of Iron Ore Pellets



Hydraulic Drive System

Torque