

The Manchester Nuclear Technology Management (N-PDP) and Project Management (PM-PDP) Modular Programmes

Sarah Heath and Stephen Wearne School of Mechanical, Aerospace and Civil Engineering, University of Manchester Manchester M13 9PL, United Kingdom



UNIVERSITY OF MANCHESTER

First Professor of Nuclear Engineering appointed in 1959

Project Management Group formed in 1965

Dalton Nuclear Institute formed in 2005



MODULAR DISTANCE LEARNING

- Modules six months long
- One or two modules together
- Start with three days in Manchester
- Webinar, email and phone support
- Eight modules + Dissertation → MSc



N-PDP is for

- Graduates in nuclear industry organisations who are looking to develop their career into management
- Engineers and managers with experience outside the nuclear sector who are moving into it
- Established nuclear practitioners looking to widen their horizons



N-PDP is a partnership between

- Amec-Foster Wheeler
- The Dalton Nuclear Institute
- The School of Mechanical, Aerospace and Civil Engineering in the University of Manchester



N-PDP and PM-PDP

Attended by delegates from new build, operations and decommissioning based in Austria, Brazil, Saudi Arabia and the UK



N-PDP MODULES

- Essentials of Delivering Nuclear Technology
- Decommissioning Nuclear Facilities
- Fundamentals of Nuclear Energy
- Nuclear Reactors and Nuclear Facilities
- Managing Nuclear Installation Safety
- The Nuclear Fuel Cycle
- Safeguards, Security and Safety Management
- Research Methods



N-PDP

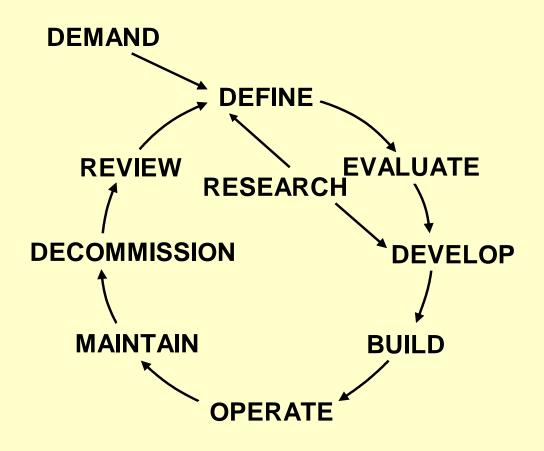
- N-PDP delegates can arrange to take one of the seven PM-PDP specialist modules
- Reliability engineering and asset management are the subject of the REAM-PDP



PM-PDP MODULES

- Foundation Module
- Project Strategy and Risk
- Planning and Resource Management
- Project Cost Management
- Commercial and Procurement
- Systems Engineering and Project Management
- People, Organisation and Culture
- Project Quality Management
- Research Methods





Asset Life Cycle