IPI Academy

MANAGEMENT forum




*Presented by*
**Management Forum**

# Sustainable Product Design for MedTech Engineers and Developers

**6-7 May 27**
+ 25-26 November 27

This course will give you an in-depth understanding of what sustainability options exist, what the benefits are, what drives them, and how to choose which will work for your company.

**Format:**
Live online

**CPD:**
12 hours for your records

Certificate of completion

# Course overview

## Sustainability in medical technology, like in all industries, is no longer optional. It's not a question of "if" but "how."

This engaging and practical course offers an in-depth understanding of the sustainability options available in the medical device sector, the benefits they bring, and the key drivers behind them. You'll gain valuable insights into how to assess which strategies will work best for your company, along with actionable guidance on how to successfully implement meaningful change.

### Benefits of attending

- **Gain** a clear understanding of how practical sustainability objectives can be chosen to fit the specific needs of your organisation, customers and regulatory authorities, and what you should be aiming to achieve
- **Learn** how to manage risks effectively and develop a focused sustainability strategy that delivers measurable, meaningful benefits to the business within a realistic timeframe
- **Understand** where to begin, the importance of consensus among stakeholders, how to effectively manage change, and how to justify the investment to the business by clearly measuring and communicating the benefits

### Who should attend

- Medical industry leaders
- Sustainability leaders
- Product owners
- Manufacturing managers
- Design heads
- Business development managers
- Anyone interested in sustainable design and manufacture

# Programme

## Day 1

**Background**

- What is Sustainable Design and Manufacture and where does it fit into the overall "sustainability" picture?

**Introduction and definitions**

**Industry moves and drivers behind these (including recent shifts in emphasis and strategy)**

**Leading strategies and how these are working**

**Review of overall process**

**Strategies for moving forward**

**Stakeholders in sustainable design and manufacture**

**Options for sustainable design and manufacture – and how to chose**

**Risks versus benefits**

- Business, organisational, technical, regulatory and market

**Understanding the synergy between design, manufacture and remanufacture**

## Day 2

**Appetite for change**

- Selling the idea, getting stakeholders on board and assessing future market acceptance/demands – different roles and how each will relate to the initiative

**Understanding the benefits**

- How sustainability can add value to your organisation and your products – including VoC role play and working through examples

**Sharing the vision and getting commitment/support**

- Creative workshops and breakout groups

**Understanding risk**

- Acknowledging that this is new ground and identifying what you don't know you don't know – structured RA based on pre-course prep work

**Planning phased implementation**

- Disruptive change and how to manage it – planning activity

**Feasibility analysis**

- The answer to the question "should we adopt sustainable manufacture" might be no!

**Where to start – design, manufacture, remanufacture or all three?**

**How to "do" sustainable design**

- How have others done it?
- What can we learn?
- How suitable is it for medical?

**How to implement a recovery and remanufacturing loop**

- What can we learn from other industries?

**What are the evolving technologies and strategies that can help?**

- Automation?
- Digital product passports?

**What external forces exist and how do we address them?**

**Where to find support and how to keep the regulators happy**

**Starting small and working up**

- Balancing risk with manageable rates of progress and measuring success – development strategies including how to apply "agile" methodologies

**Scaling up, managing expectations and finding the optimum rate of change**

- Adding detail to planning activity from morning session

**Making the financial case – how does sustainability pay for itself?**

**Regulatory and standards**

# Presenter



**Cormac O'Prey**

Cormac O'Prey is Principal and Director in the Kestrel Consultancy Group.

He has experience in effective Business Development, Project Management and Product Development, with proven innovation capability. As part of the Kestrel Consultancy Group Ltd., he works on technology and product development projects with a range of UK-based and multi-national client companies.

In his role as a BSi BS8887 committee member and project lead on the sustainable medical devices subcommittee, he contributes to steering international standards and best practice on design for manufacture, assembly, disassembly and end of life - vital for developing our capacity to respond to the demands of circular / spiral economy and optimise our resources in an increasingly unstable world!

His specialist capabilities include: Development of strategic partnerships with multiple international organisations including customers, manufacturers, users, financiers, and regulatory bodies; Product development in diverse industrial sectors including Smart Grid and Smart Metering, Medical Devices, Industrial, Consumer and other industries including project management, risk analysis, technical review, etc.

He has a special interest in technology transfer and innovation with a focus on sustainable design and manufacture, and lectures at ARU Cambridge in Global Busines Environment and International Strategy, and Engineering Design.

# Course dates

| | | |
|---|---|---|
| **6-7 May 27** | **Live online**<br>09:00-17:00 **UK (London)** (UTC+01)<br>*Course code 17140* | GBP **1,299** ~~1,499~~<br>EUR **1,819** ~~2,099~~<br>USD **2,087** ~~2,399~~<br>**Until 11 Mar** |
| **25-26 November 27** | **Live online**<br>09:00-17:00 **UK (London)** (UTC+00)<br>*Course code 17520* | GBP **1,299** ~~1,499~~<br>EUR **1,819** ~~2,099~~<br>USD **2,087** ~~2,399~~<br>**Until 30 Sep** |

## How to book

**Online:**
ipi.academy/2578

Alternatively contact us to book, or if you have any queries:

**Email:**
info@ipiacademy.com

**Phone:**
+44 (0)20 7749 4749

## Discounts

- Booking more than one delegate on any one date qualifies for a **30% discount** on the second and subsequent places.
- Most events qualify for an **early booking discount** prior to 6 weeks before the course date. Be sure to check on our website, where the latest discounts will be shown.

## Further information

**Fee**
The fee includes all meals and refreshments for the duration of the course (for venue-based courses) and a complete set of course materials (provided electronically). If you have any particular requirements, please advise customer services when booking.

**Please note**
IPI Academy (and our training partners) reserve the right to change the content and timing of the programme, the speakers, the date and venue due to reasons beyond their control. In the unlikely event that the course is cancelled, we will refund the registration fee and disclaim any further liability.

**Terms and conditions**
The rest of the our terms, the event cancellation policy and the terms and conditions are on our website, please visit ipi.academy/content/terms-and-conditions

# Reviews

★★★★☆

**The speaker was passionate and knowledgeable about his work. The content was good, although tailored more to the beginner in sustainability. The presentation was good, slides were manageable (not too wordy etc). The regulatory and case studies were interesting, as well as remanufacturing.**

**Emily Lane**
Graduate Mechanical Engineer
Renishaw plc
Jan 24 2023

## Run this programme in-house for your whole team

Coming to IPI Academy for your in-house training provides an all-inclusive service which gives you access to a wide variety of content, learning platforms and delivery mechanisms as well as your own personal training adviser who will work with you from the initial enquiry through to feedback and follow-up after the programme.

With over 600 trainers, all practitioners and experts across a huge range of fields, we can provide the training you need, where you need it, when you need it, and at a price which suits your budget. Our approach to tailored learning and development consists of designing and delivering the appropriate solution for each client.

For your FREE consultation and to find out more about how we can work with you to solve your training needs, please contact our training advisers:



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IPI Academy

IPI Academy is a training initiative of Falconbury and Management Forum; leading providers of industry training for over 30 years, based in the UK.

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