

Tuesday 7 February 2023
18:45 refreshments
19:30 Start

Free entry
Open to non-members

Venue
Studio Theatre
The Hawth,
Hawth Avenue
Crawley
RH10 6YZ

Contact
Shanir Patel

Book your place at
<https://bit.ly/3tL5bbn>

theiet.org/communities

#ForThoseWhoDoMore

Sussex Local Network

Designing a Sustainable Linac

Rita Morgado da Silva
Manager, Hardware Systems Engineering – Linac Solutions
Elekta

Elekta operates using Environmentally Conscious Design (ECD) principles. A major role of ECD is the reduction of environmental impact by smart and conscious design choices.

This talk will present the opportunities for sustainable engineering in a high volume Linac business looking at real case studies in MRLinac and Linac products from Elekta.

Guidance and methodologies used will be described to enable the application of the concept of ECD to other industries. Namely, around the importance of understanding and measuring the ecological impact of existing products and how to set meaningful targets for future improvements and development projects. Examples of baselines and material composition break down for the MR-Linac and Linac products will be presented and discussed.

Closing with a look into the future and additional potential areas of focus with Circular Economy as a highlight.

Image courtesy of Elekta

