



2023  
edition!

Cambridge Electromagnetic  
Technology Ltd.

A spin-off company from



# Experts in Electromagnetic Technology

Antenna Systems  
Phased Arrays and Interferometers  
Low Noise Electronics  
Wideband Systems  
Full-wave Electromagnetic Modelling

## How to reach us?

 [www.cemtl.co.uk](http://www.cemtl.co.uk)  
 [contact@cemtl.co.uk](mailto:contact@cemtl.co.uk)  
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# Our Services

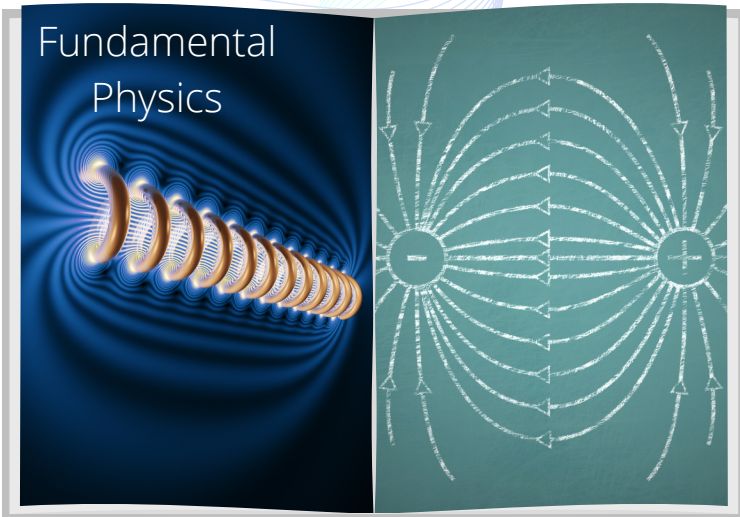
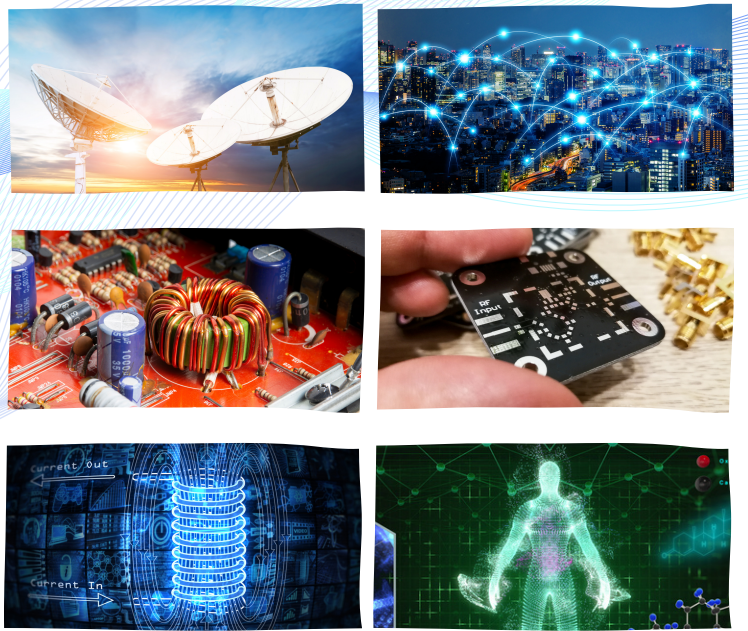
We provide expert consultancy services in the field of **electromagnetic technology**



Your business is your expertise. We can provide you with the design and computer simulations of the electromagnetic elements of your product, for a faster time to market.

Full-wave electromagnetic modelling  
**Design of antennas and low noise electronics**  
 Design of phased array systems  
**Specialization in wideband and electrically-large structures**

Our capabilities include the electromagnetic modelling of wearable technology, complex network interference, mutual coupling, etc.



Our expertise in applying the complex physics RF design to engineering a cost effective design is used to develop hugely challenging radio telescopes for cosmology.

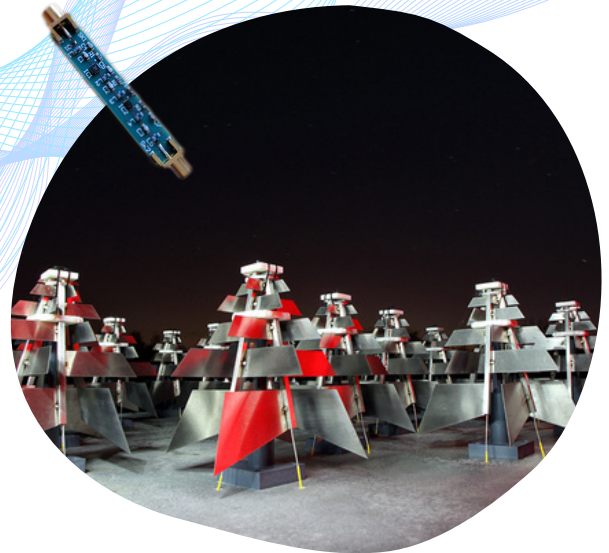
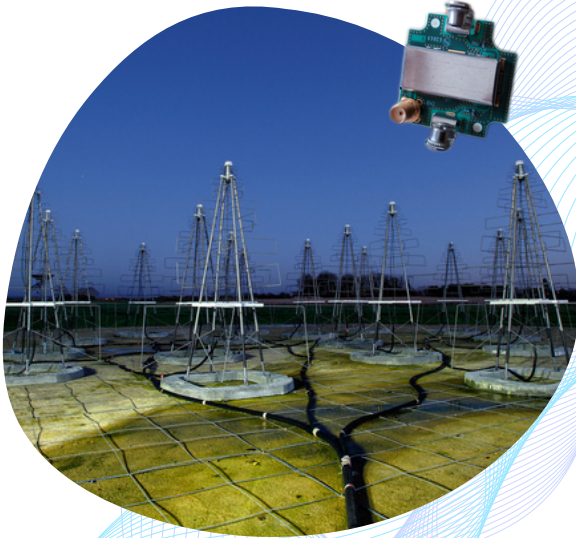
We can offer you our capabilities to deliver high performance world beating products.





# Our Products

Ask us about our VHF and UHF wideband low-noise **antenna systems and amplifiers**. We also can provide custom designs for you.



Dual polarization log-periodic antenna  
50-650 MHz operating band  
Directivity: 7dBi  
Stainless Steel construction  
LNA Noise Figure: 0.3 dB  
Versions available: SKALA2, SKALA3, SKALA4  
**NEW SKALA2-ultra: 10-650MHz!!!**

Dual polarization log-periodic antenna  
300-2000 MHz operating band  
Directivity: 7dBi  
Stainless Steel construction  
LNA Noise Figure: 0.45 dB  
Versions available: MFAA

*New in  
2023*



## About Us

Cambridge Electromagnetic Technology Ltd was founded in 2019 by three academics from the Cavendish Laboratory of the University of Cambridge. We research in radio cosmology and develop instrumentation. We have a diverse background in Physics and Engineering with wide experience in both Industry and Academic Research and development. Over the last decade we have developed antenna systems for the world's largest phased array precisely simulating and proving its performance ([www.skatelescope.org](http://www.skatelescope.org)).



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