











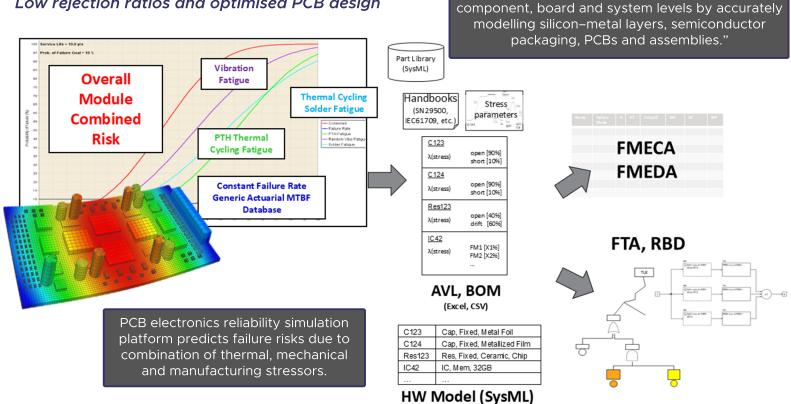
"Providing fast and accurate life predictions at



For over 25 years, LEAP has assisted thousands of companies from diverse industries to implement technology solutions to digitise their product development processes.

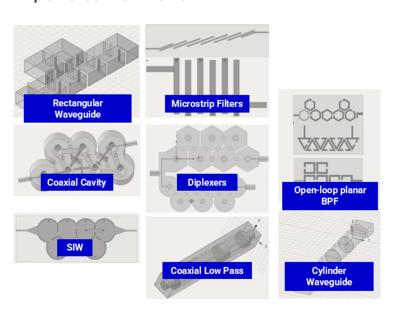
Workflows for Electronics Reliability

Low rejection ratios and optimised PCB design



State-of-the-Art Platform for accelerated Filter Synthesis, Simulation and Tuning

Get to market faster using automation and AI-powered workflows



"A complete end-to-end RF filter design and test and measurement platform that features auto-3D modeling, Al-driven optimisation, and fully integrated EM Simulation workflows."

- Comprehensive filter synthesis
- Generate parameterised 3D geometries automatically
- Powerful optimisation featuring AI, computer-aided tuning (CAT) tools
- Leverage powerful EM simulation workflows
 - Monte Carlo yield analysis, peak power handling and thermal analysis
- Real time frequency and time domain filter tuning workflow for lab/manufacturing









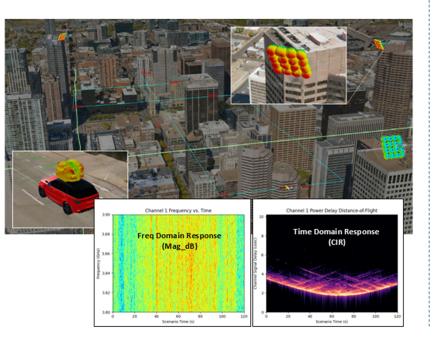






Dynamic Wireless Channel Modeling in Virtual Environments

Test your Antennas in realistic Scenarios for 5G/6G

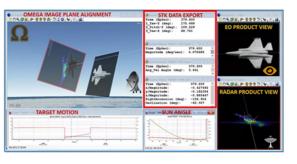


"Realistically evaluate communication performance in challenging urban environments or across unique mission specific scenarios."

- Capture micro/mm RF Channel Models
- Include your Antenna and Array Models
- Generate wireless models at symbol coherence rates in real time, yielding models appropriate for use in 5G/6G receiver signal processing
- Test Access Point Installations
- Reduce Costs by performing over-the-air (OTA) testing in an accurate, virtualised environment
- Mitigate installation and environment challenges for base station installations through virtualised simulation

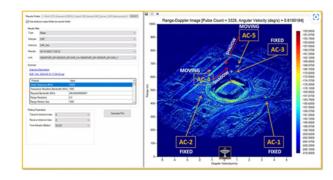
Radar Synthetic Signature Generation

Supporting Advanced Radar Signature Analysis Through Data "Radar Signature Analysis- understanding how radar signals interact with complex targets to expose the various scattered radar returns. Mapping of radar scattering returns in range and doppler space."



Virtual test environments of existing operational systems and future proposed systems.

Once the algorithm is trained: Software-generated target-embedded SAR data for Al/ML algorithm validation



- Radar Signatures incorporating dynamic motions, target surfaces and other in-scene scattering effects
- Easily generate target and condition-specific synthetic data to leverage in AI/ML studies or testing target detection and identification algorithms
- Virtually simulate and test against mission-critical system performance requirements