**Telecoms**

**ENCLOSURE DESIGN**

* Achieves ultimate form factor by optimising layout and avoiding wasted space
* Considers ease of assembly, servicing and installation, reducing associated time and cost
* Accounts for environmental factors such as ingress resistance and shock protection, where required
* EMC optimisation
* DNA Modelling enables us to amend designs instantly and accurately whenever components or requirements change
* Optional bespoke design to match your aesthetic needs, brand and identity

**CABLE MANAGEMENT**

* Optimises cable routing to reduce complexity, minimise cable lengths, integrate clipping points, and avoid airflow restrictions
* Assembly manuals explaining how to position and manage cables
* Professional visuals available to use in your marketing literature
* Detailed cable specifications created for procurement, detailing types, lengths, diameters and connectors

**MODEL EVALUATION**

* Heat sinking and thermal analysis of enclosures
* Optimised components ensure effective heat transfer
* Estimates product lifespans and how they might deteriorate over time

**MANUFACTURE**

* Full concept-to-manufacture service, ensuring quality at every stage
* Connect with specialist handpicked manufacturing suppliers matched to your products and sector
* Cross-sector and manufacturing experience enables us to recommend the right manufacturing processes

**Evaluation models**

**FINITE ELEMENT ANALYSIS**

* Determine how relevant forces will affect materials and components
* Enables parts to be designed and developed in line with results for optimum geometry and material selection
* Reveals how components will perform physically, before spending time and money on manufacturing

**HEAT TRANSFER AND COOLING**

* Heat sinking and thermal analysis of enclosures
* Optimised components ensure effective heat transfer
* Estimates product lifespans and how they might deteriorate over time

**DRAFT AND TOOLING ANALYSIS**

* Optimises components to simplify and improve production processes
* Analyses draft angles and detects undercuts to ensure product is ready for manufacture
* Helps avoid costly errors, and saves time and money on manufacturing

**MOVEMENT ANALYSIS**

* Delivers animations of real-life clash detection, ensuring moving parts don’t contact surrounding elements
* Reveals the relationships between components, for example, positions and interactions
* Enables design adjustments and avoids expensive manufacturing errors
* Shows how components might clash and deteriorate over time