CONSTRUCTION & SUPPORT SERVICE COMPANIES

SITE INVESTIGATIONS

BENCHMARKING

INSTALLATION & FABRICATION TRIALS

INNOVATION DAYS

FAILURE INVESTIGATIONS

BUILDING CONTROL COMPLIANCE

REPAIRS VALIDATION

GUARANTEED PROVIDERS’ SYSTEM ACCEPTANCE

CHANGE OF USE
SITE INVESTIGATIONS
We undertake on-site investigations to establish material properties or the structural adequacy of the building superstructure. Sampling can be carried out on-site and analyzed in our laboratories to evaluate material properties or chemical composition. We are also able to assess the suitability of materials or adequacy of installation.

FAILURE INVESTIGATIONS
A material, structure or structural element can fail on-site, either during the construction phase or during its design life. Work programs can be developed to generate information to discover the cause of a material or structural failure and to develop a method to mitigate or correct it.

REPAIRS – VALIDATION
We can assess the suitability of materials for repairs to historic buildings or structural elements. The durability aspects and structural performance-enhancing capacity can be verified on-site or in our laboratories.

CHANGE OF USE
We provide structurally intrusive and non-intrusive investigations of existing buildings which are undergoing refurbishment for change of use. This can include a structural stock-take, assessment of redundant capacity and of useable life left in the structure.

INSTALLATION & FABRICATION TRIALS
At Lucideon, we can verify installation and fabrication processes, and develop alternative techniques to optimize the use of energy, time or materials. These can be carried out at the manufacturing point, in a controlled laboratory environment mock-up facility, or at a real site installation.

INNOVATION DAYS
Lucideon can act as a hub to host innovation days with similar groups of manufacturers, consultants or contractors to discuss new methods or ideas to solve common industry problems or approaches to new requirements.

BUILDING CONTROL COMPLIANCE
All new construction projects need to comply with current building regulations. We verify non-standard building designs as robust details will not be necessarily be available or suitable for use.

GUARANTEE PROVIDERS SYSTEMS ACCEPTANCE
Systems with no recognized standards require third party validation. We can provide independent customized work programs to assess structural and environmental integrity, and to verify the installation process. Current standards, European technical approvals and guidance documents can be used as a basis for the program, and collaborations with major scheme providers will deliver a quicker route to end use.

BENCHMARKING
Material properties and characteristics can be benchmarked to allow generic products to be used when there are no standard requirements in place. This allows a broader range of products to be sourced with no fear of reduced performance and hence provides a more cost-effective approach to sourcing and buying.