


 **Our strengths**

Central Location



**State-of-the-art
Equipment**



 **Talk to us about
your project !**

 30, rue J.F. Kennedy
L-7327 Steinsel
Luxembourg

 +352 33 20 71-921

 testing.lu@cebi.com

Dedicated Experts



 **Testing Services**

About us

Cebi is a worldwide expert in the manufacture of electromechanical components for the automotive industry, household appliances, e-mobility and industrial applications.

In 2020, Cebi has substantially upgraded its test and validation facilities with modern and extensive equipment for materials, environmental, endurance and electromagnetic compatibility testing.

Cebi is pleased to offer testing services to automotive suppliers and related industrial sectors.

Our solutions

Thermal and Climatic Testing

Large range of chambers for product reliability evaluation under constant or variable climatic conditions (from -70°C to +300°C, from 10% to 98% relative humidity).

15 Chambers

Thermal shock testing

Multiple large-size and fully automated dual-zone thermal chambers for product performance and reliability testing under repetitive thermal shock.

5 Chambers

Electromagnetic Compatibility Testing

Full EMC testing for emission, immunity, radiated, conducted and electrostatic compatibility against established automotive and industrial standards like CISPR25, CISPR16, ISO11452.

1 Shielded Anechoic Chamber
Instrumentation for Immunity,
Emission & Electrostatic Discharge

Environmental Testing

Product evaluation for resistance to contaminants, dust and liquid intrusion (IP6, IPX9K, etc.) combined with thermal shock or immersion. Chemical degradation and corrosion testing in salt spray atmosphere.

3+2 IP Equipment
Corrosion bench

Mechanical Testing

Product evaluation for mechanical shock, 3-axis sine or random vibration up to 80 kN, combined with climatic chamber from -70°C to 180°C and from 10% to 98 % relative humidity.

2+2 vibration benches and
dedicated chambers

Material Analysis

Plastic and metal materials performance testing and analysis, including failure analysis, based on fully equipped laboratory incorporating sample preparation, testing and analysis equipment.

1+1 X-ray
3D Microscope

3D Printing

Rapid prototyping facility with 3D printer for plastic materials to support testing, product development and fixtures for small scale production.

1 Printer

