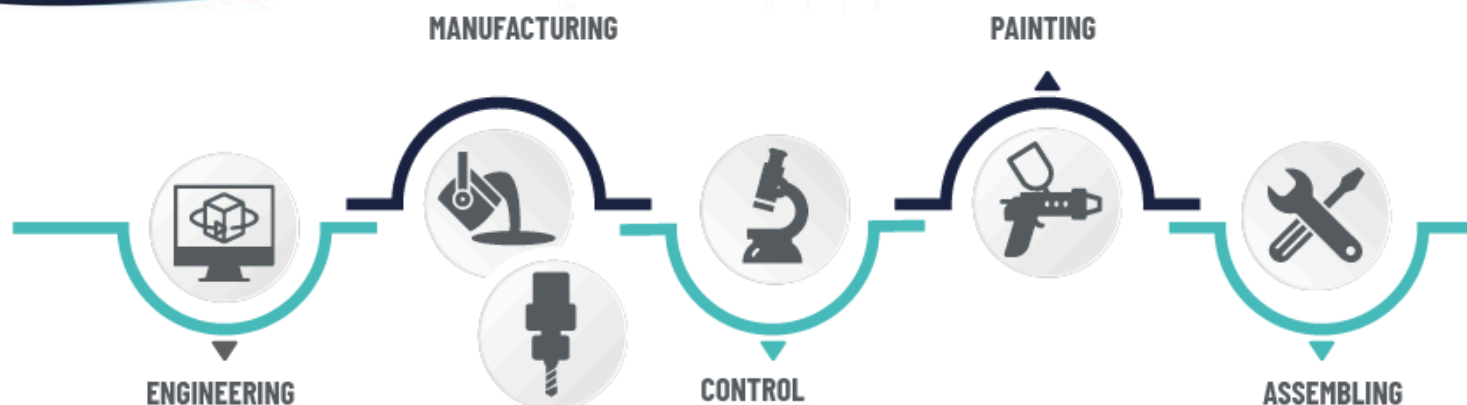


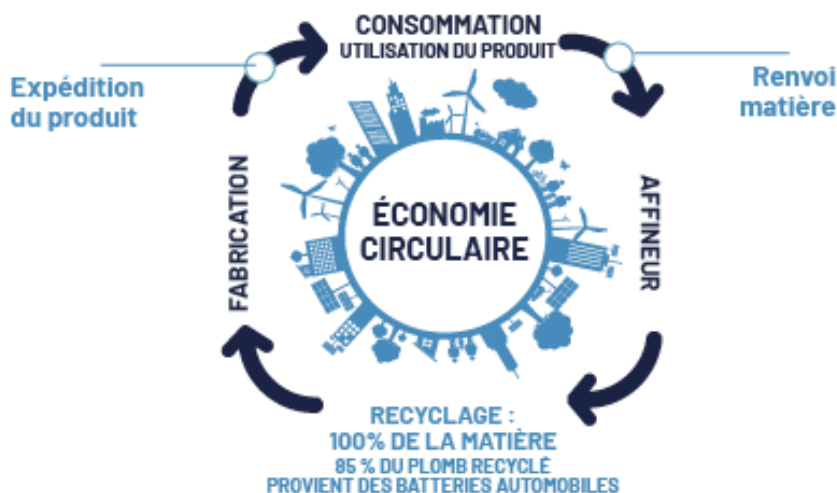
A fusible core is a metal mold used to manufacture **hollow composite parts with complex geometries**.

A composite material is shaped around the core, and then the assembly is heated to melt the core. The core's melting temperature is generally between **30°C and 300°C**. It is set slightly higher than the composite's processing temperature to ensure the core can be removed without altering the properties of the final part.

This process produces a hollow part with **internal shapes that cannot be demolded using conventional methods**, while ensuring **excellent internal dimensional tolerances**.

100% RECYCLABLE SOLUTION

After use, the alloy returned to the LEMER Foundry is **inspected and reintroduced into the material cycle** to manufacture new fusible cores.





OUR PROJECTS



Process : **Spide TP**
Composite : Carbon- PEEK
Fusible core alloy : Sn-Pb 185°C



Process : **Filament winding**
Composite : Carbon-Epoxy
Fusible core alloy : Bi-Sn 135°C

AIRBUS



Process : **RTM**
Composite : Carbon-Epoxy
Fusible core alloy : Sn-Pb 185°C

THEY ALSO PLACED THEIR TRUST IN US



OUR CONTACT INFORMATION

FONDERIE LEMER

3, rue de l'Europe 44470 CARQUEFOU - France

02.40.25.29.00

lemer@fonderie-lemer.com

www.lemer.com

