



ARCELORMITTAL

**2023 WINNER
SUSTAINABLE PROCESS**

**Use of Biomass for
Carbon-Neutral Steelmaking**

The ArcelorMittal Port-Cartier pellet plant became the first in the world to substitute pyrolytic oil for heavy fuel oil on a continuous basis. By using this biofuel, produced locally by BioÉnergie AE Côte-Nord Canada, ArcelorMittal not only reduces its emissions but builds a true regional energy ecosystem by uniting the two great resources of the Côte-Nord region, iron and forest.

 **ALTAIR**

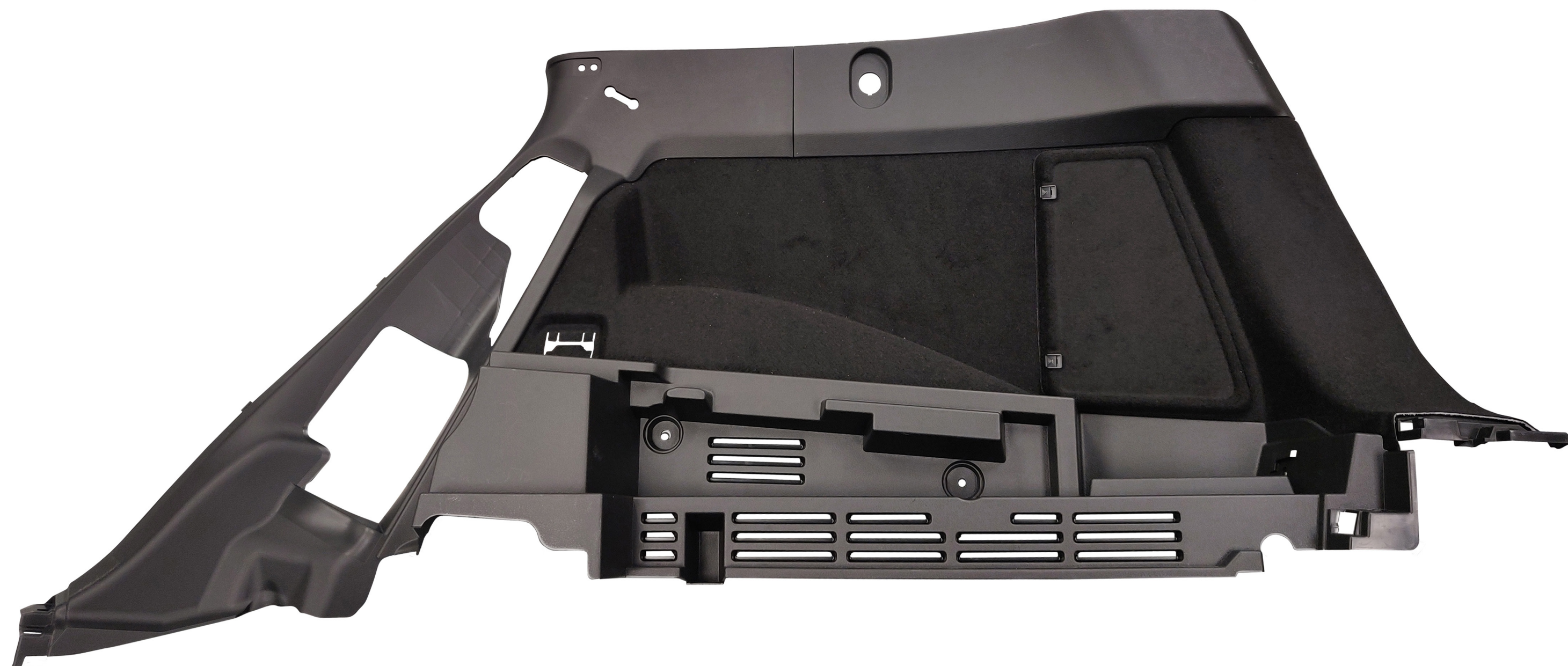


▶ **BROSE ANTRIEBSTECHNIK GMBH,
CO. KOMMANDITGESELLSCHAFT,
BERLIN**

2023 RUNNER-UP SUSTAINABLE PROCESS

Reman-Drive - Remanufactured E-Bike Drive

Brose introduced a remanufactured, lower-cost drive that saves 21 kilograms (46.2 pounds) of carbon emissions per unit, while maintaining quality standards. The process recovers and restores previously sold, worn-out, or non-functional products to “like new” conditions and saves material, costs, and carbon emissions.



▶ KASAI KOGYO CO. LTD.

2023 HONORABLE MENTION SUSTAINABLE PROCESS

Kasai Hi-Papia, Kasai Original Sustainable Material

Kasai Hi-Papia (KHP) is composed of 100% recycled polypropylene (PP), polyethylene terephthalate (PET), and pure talc. In addition, material scrap from the KHP manufacturing process is reused. KHP has helped spread the recycling plastic market and reduce the amount of material needed by fabric manufacturers. KHP's adaptable production system enables higher flexibility to support different recyclable plastic contents in various regions.