



- ▶ Celanese is pioneering **industrial scale CCU** to provide access to **low carbon intensity methanol**
- ▶ Carbon capture takes place in the US but has **applicability** to various sites **globally incl Europe**
- ▶ Our CCU project is the first case to be certified under the newly developed **ISCC CFC** (carbon footprint certification)
- ▶ The versatile C1 chemistry opens a pathway into **low carbon intensity feedstock** for a broad range of **Plastics** (POM - Polyacetal) and **Chemicals** (Acetyl Derivatives) end uses
- ▶ **Commercial viability** of low carbon intensity CCU based products is demonstrated by the first commercial successes in the Adhesives, Paints & Coatings market as well as Consumer Home Goods
- ▶ The low carbon intensity CCU approach **lowers the entry hurdle into carbon capture**: affordable products at industrial scale with certified low carbon footprint



Industrial CO2 emissions
not related to methanol
production
(ISCC eligible sources)

>80% from 3rd Parties
(non-Celanese)

Co-Product Hydrogen

Made from fossil
feedstock but with
associated carbon used to
make other products

Significantly improved
carbon footprint

- ▶ Celanese started one of the largest CCU projects in the world in January 2024 as part of Fairway Methanol JV with Mitsui in Clear Lake, TX
- ▶ 180 kto/a of CO2 emissions → 130 kto/a of methanol
- ▶ CCU methanol can be converted to Chemicals (Acetyls) or Engineered Thermoplastics (POM Polyacetal)

