



# VS

**Bio-based raw material**

**Providing high barrier properties**

- **Bio-based** functional coatings and films
- **Extrusion & dispersion** coating
- Atmospheric **SiOx roll to roll coating**
- Single to **multi-layer** extrusion



**100% Recyclable**  
at a semi-Industrial scale

## Traditional Multi-material packaging strategy

**Outer layer:** strong printable (ex: PET)

**Tie layer:** (ex: PU)

**Barrier layer:** gas barrier (ex: PVdC or aluminum)

**Tie layer**

**Food contact layer:** heat sealable moisture barrier (ex: PE, PP)

To recycle a multilayer packaging the different materials must first be separated and then individually processed.

A closed-loop process is hardly possible with conventional recycling methods.

**Separation process**

**30% to 50% Recyclable**

