Preforming 2.0
Additive Preform Manufacturing

Conventional

- Raw material: Expensive multi-layer
- Only “standard” orientations available
- Cutting waste (subtractive process): > 40 %

Additive Manufacturing

- Raw material: (Carbon) Fibers or Tape
- 360 ° Fiber orientation possible
- Cutting waste: < 5 %
- Required tailored stack geometry

Preforming at Compositence

- best possible material utilization due to low cutting waste rates
- reduced incidental costs (raw material logistics, storing, ...)
- allows to reinforce parts locally, a load path optimized part design & to mix raw materials (e.g. glass / carbon)
- is fully automated & capable to fulfill automotive volume demands (cycle time 1–5 minutes per preform)