Supplementary Information

Cryogenic comminution of subsea cables and flowlines: a pathway for circular recycling of end-of-life offshore infrastructure

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**Figure S1.** Variations in average temperature of the flexible flowline (i.e., average of all layers of the flowline during cryogenic cooling).

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**Figure S2.** Schematic of umbilical cable cross-section with an outer diameter of 135 mm. Outer sheath: polyethylene; internal plastics: polyamide; filling material: epoxy thermoset; electrical insulation: PVC, etc.