

Material Development Trends for Sustainability

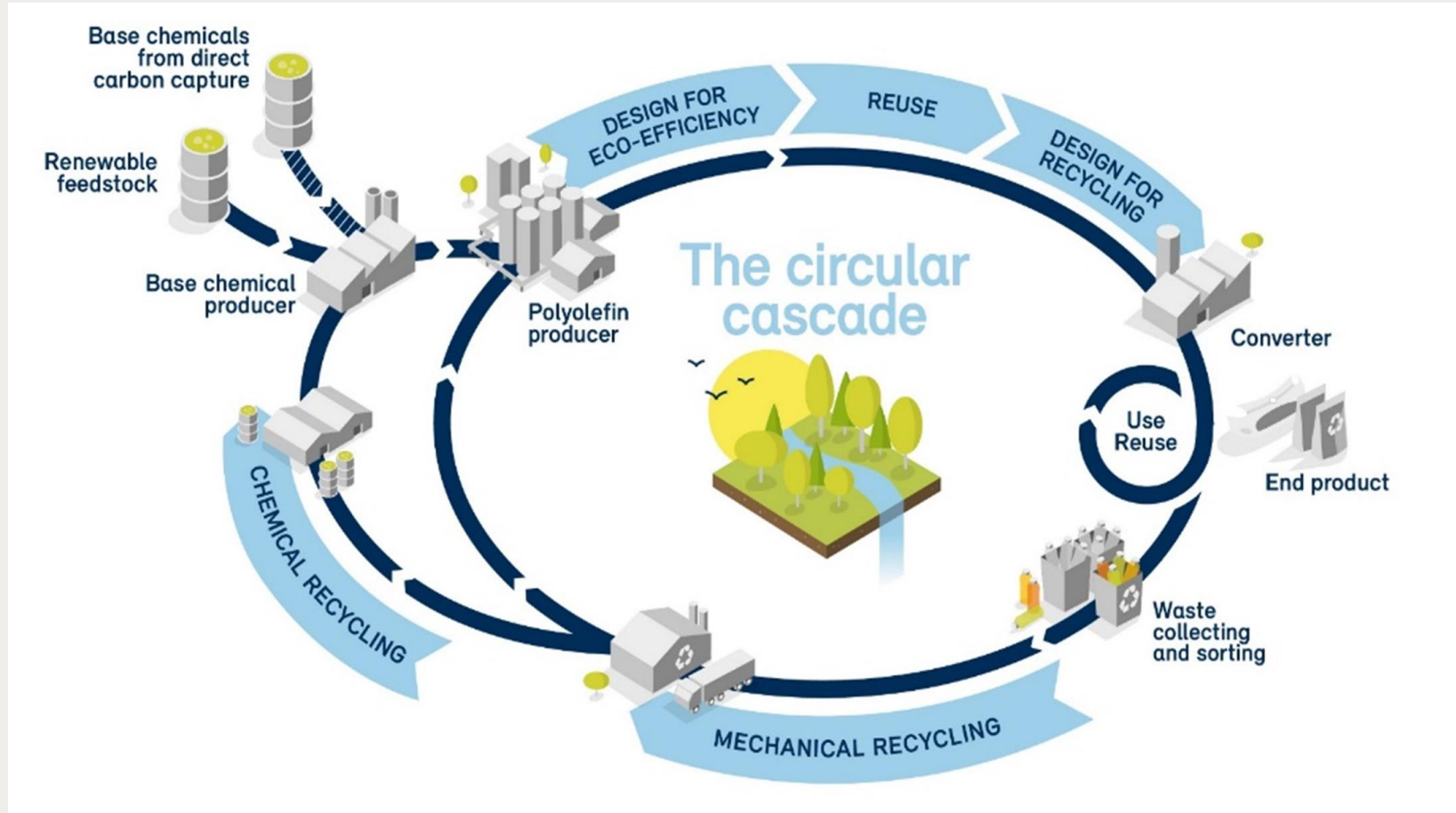
SC B1 Insulated Cables – PS3 – Q2

What trend can be foreseen in cable insulation
material development?

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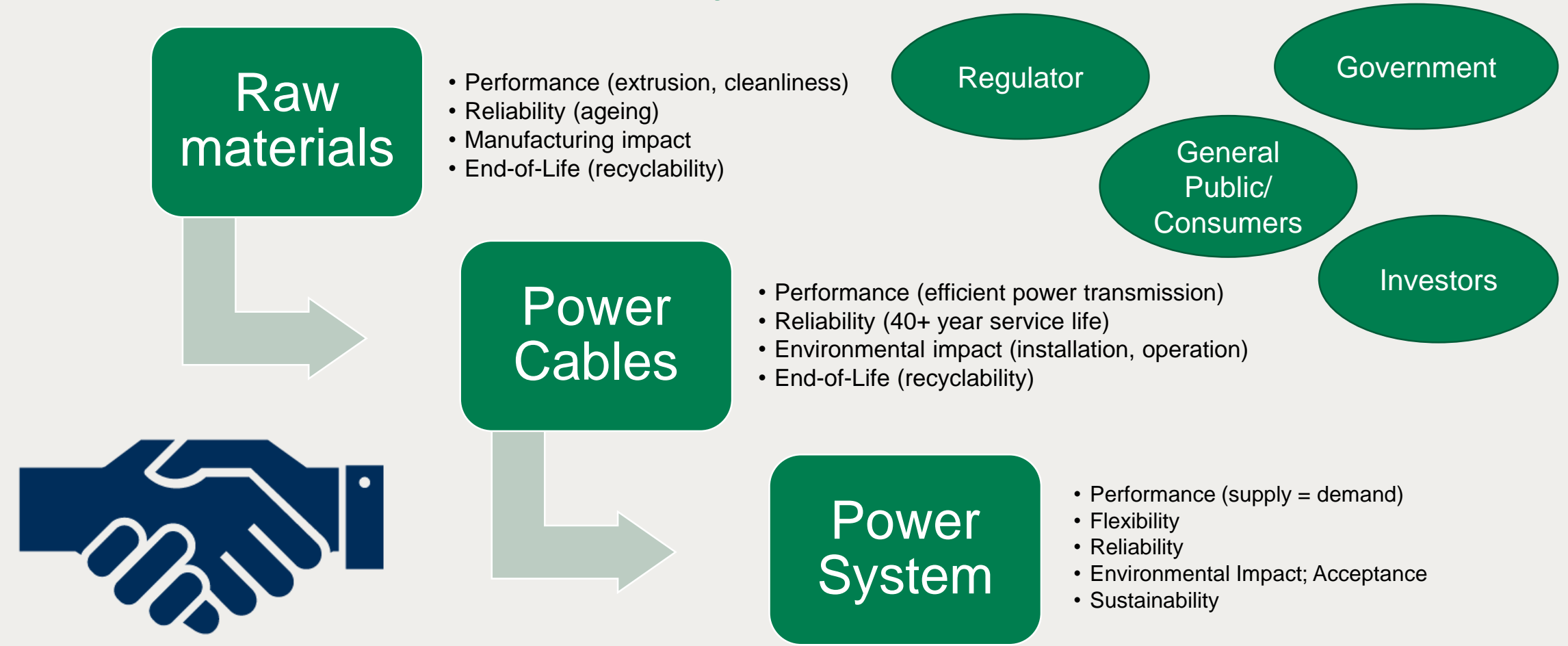


Manufacturing needs to shift to a circular model to become sustainable



Group Discussion Meeting

Trend in material development must fit into a broader picture of Power System Value Chain & Society – **keyword = collaboration**



Group Discussion Meeting

Challenges to overcome

- Balance between Sustainability Performance & Technical Performance
- Development duration vs. Innovation requirements (2050 pledges) – time constraints?
- Material development vs. Need for track record – how to demonstrate long-term reliability while maintaining innovation flexibility?
- Update of Standards enabling adoption of sustainable solutions
 - Renewable/chemically recycled feedstock in insulation materials to be considered recycled from a regulatory standpoint ; do not require requalification
 - Recycled content in jackets may affect the properties – what is acceptable?

Thank You!

Group Discussion Meeting