



PLASTICS
CIRCULAR ECONOMY
ASSURANCE SOLUTIONS

Helping you to close the loop





Plastics circular economy assurance, testing and certification - helping companies advance recycled polymer development

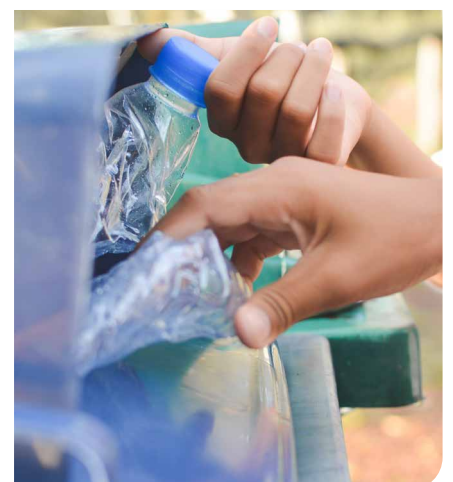
Climate change, energy use, resource availability, pervasive waste in our environment, changing consumer preferences and pressures from investors or governments are driving us to rethink wasteful models of production and consumption. Bringing quality, safety and sustainability to life, our risk-based quality assurance program, **CIRCULARASSURE**, provides testing, auditing, certification, and unique insight-enabling analytical technologies that help you to purposefully move towards a circular economy for plastic.

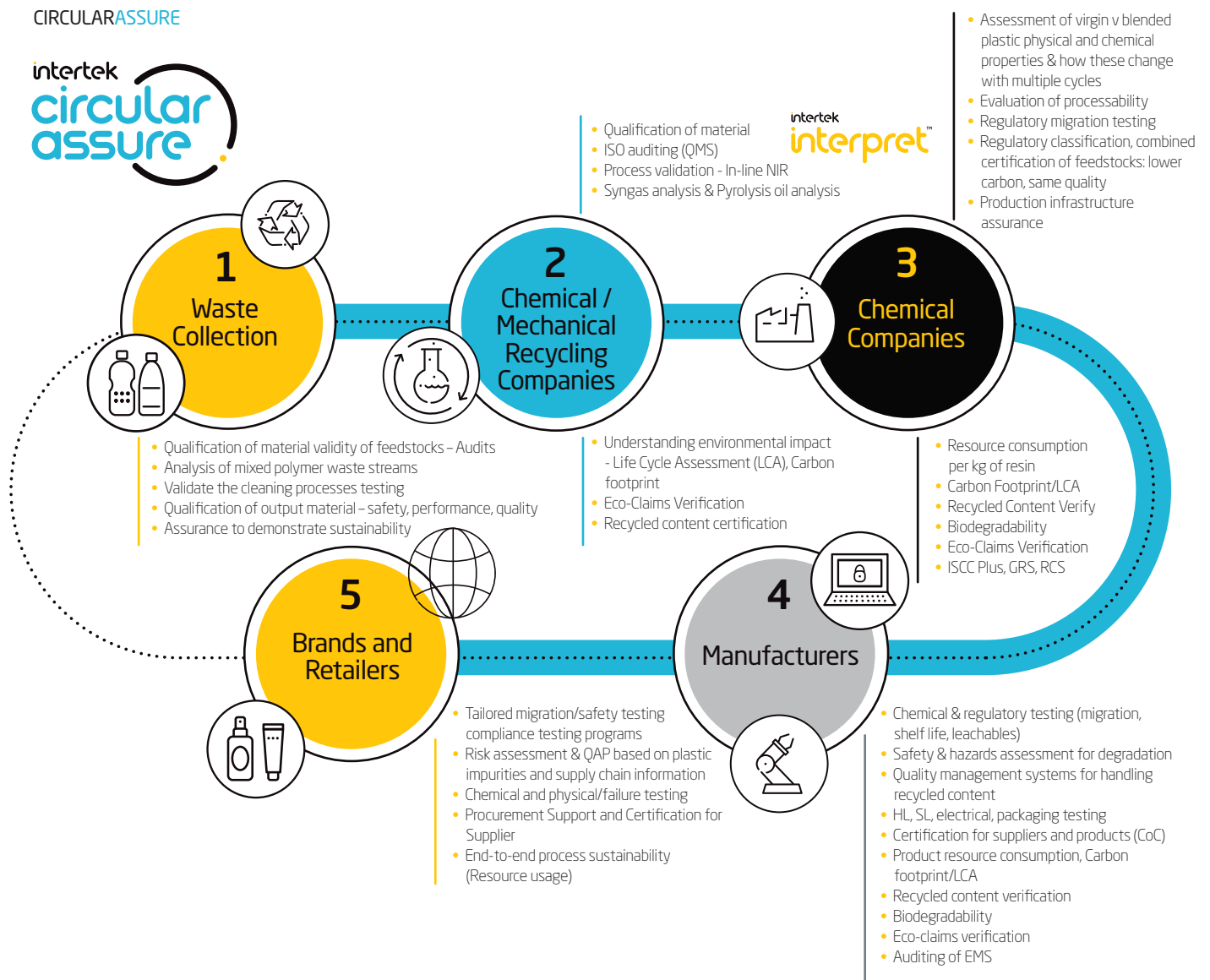
Across all sectors, businesses face pressures from consumers, governments, investors and environmental bodies to rethink wasteful models of production and consumption, reduce their environmental impact and justify their green claims. Many are designing materials, product or processes to ensure that they are kept in productive use for as long as possible and then can be re-used or recycled.

Legislative developments, including the European Green Deal, EU Directives on waste or single-use plastics, and the UK Plastics Packaging Tax, are driving companies throughout the polymers/plastics value chain to rethink wasteful production and consider what happens after consumption of their

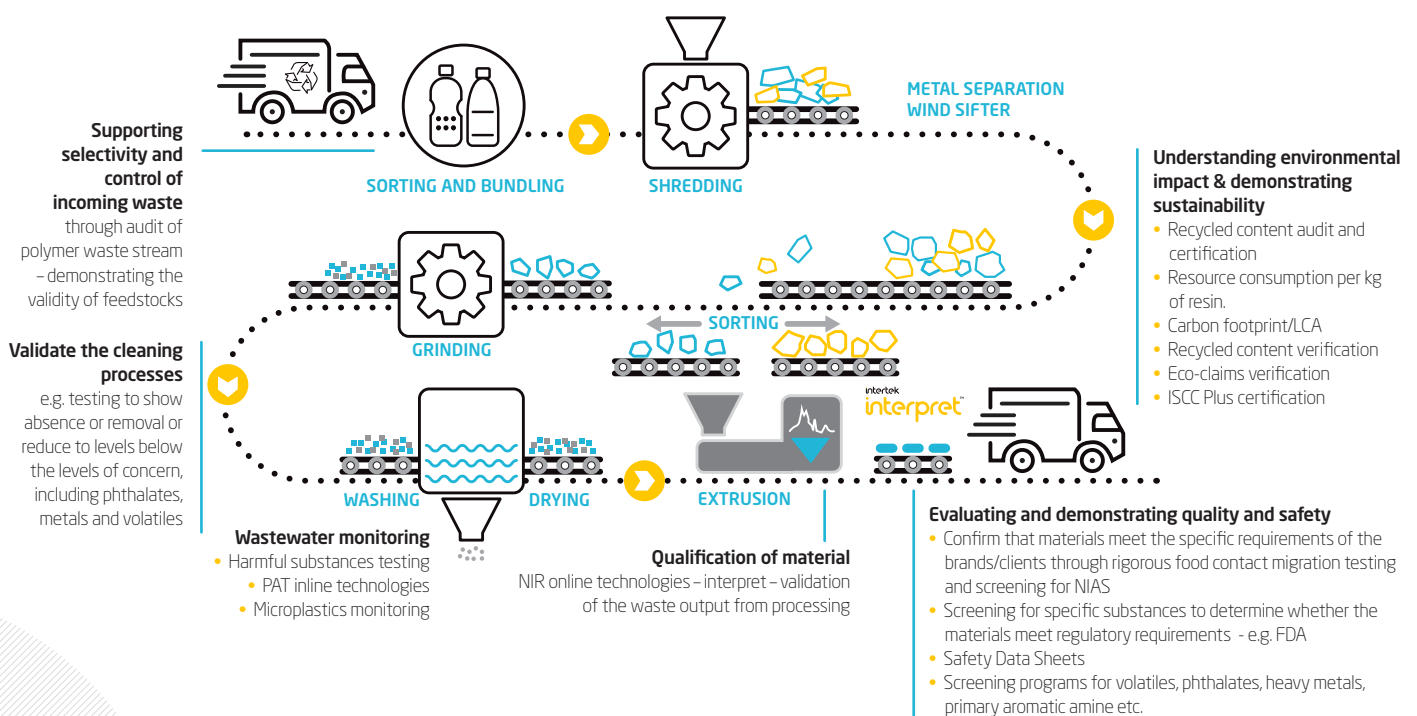
products. Companies are also looking to accelerate innovation processes that are driven by sustainability goals to achieve safe, well-performing products that are differentiated in the marketplace.

CIRCULARASSURE comprises a programme of assurance, testing and certification services that can be applied across the recycled plastic value chain from waste collectors and recycling companies to polymer producers and brands, enabling each stakeholder to ensure quality, safety, and optimise the value of products within the plastics/polymer circular economy.

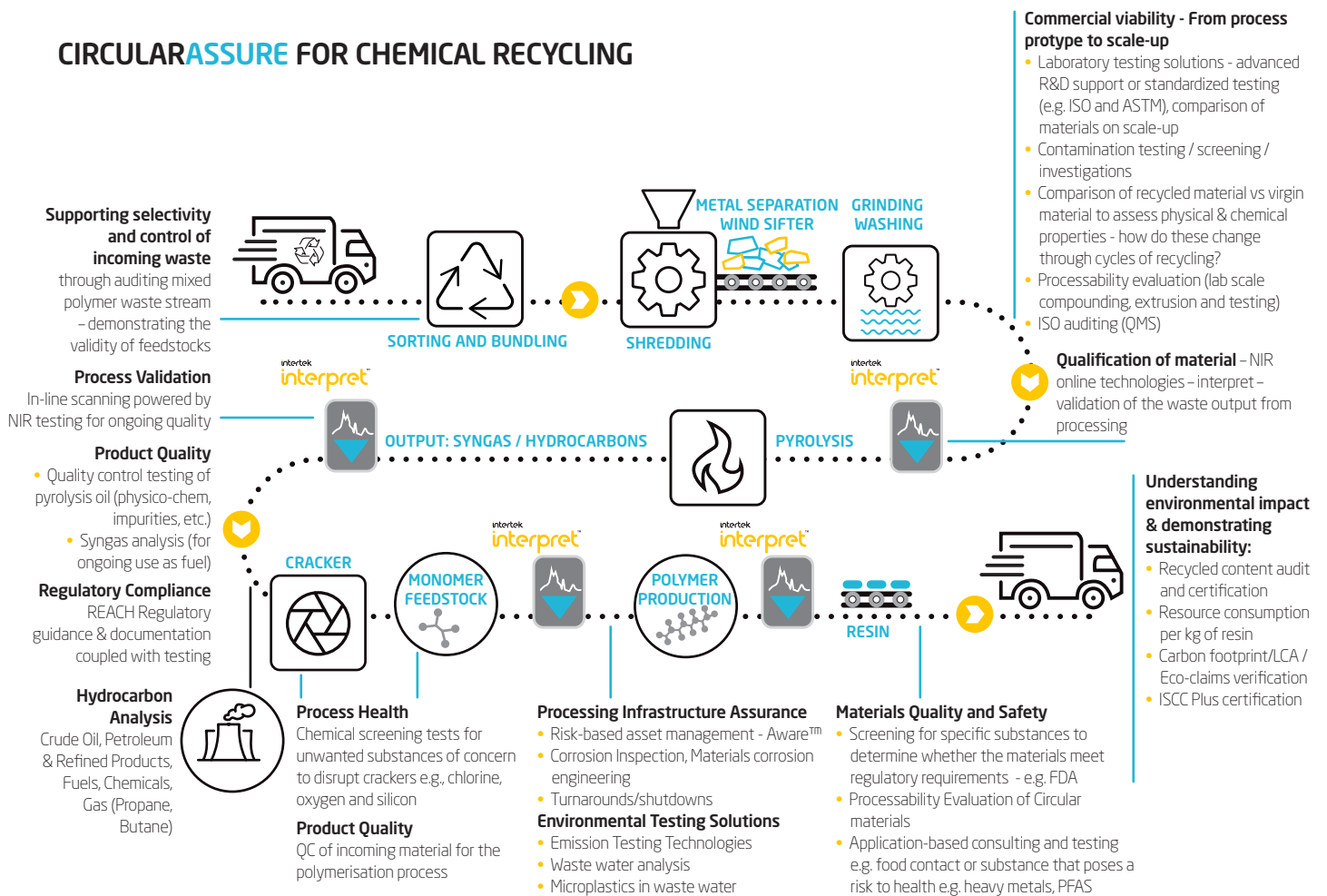




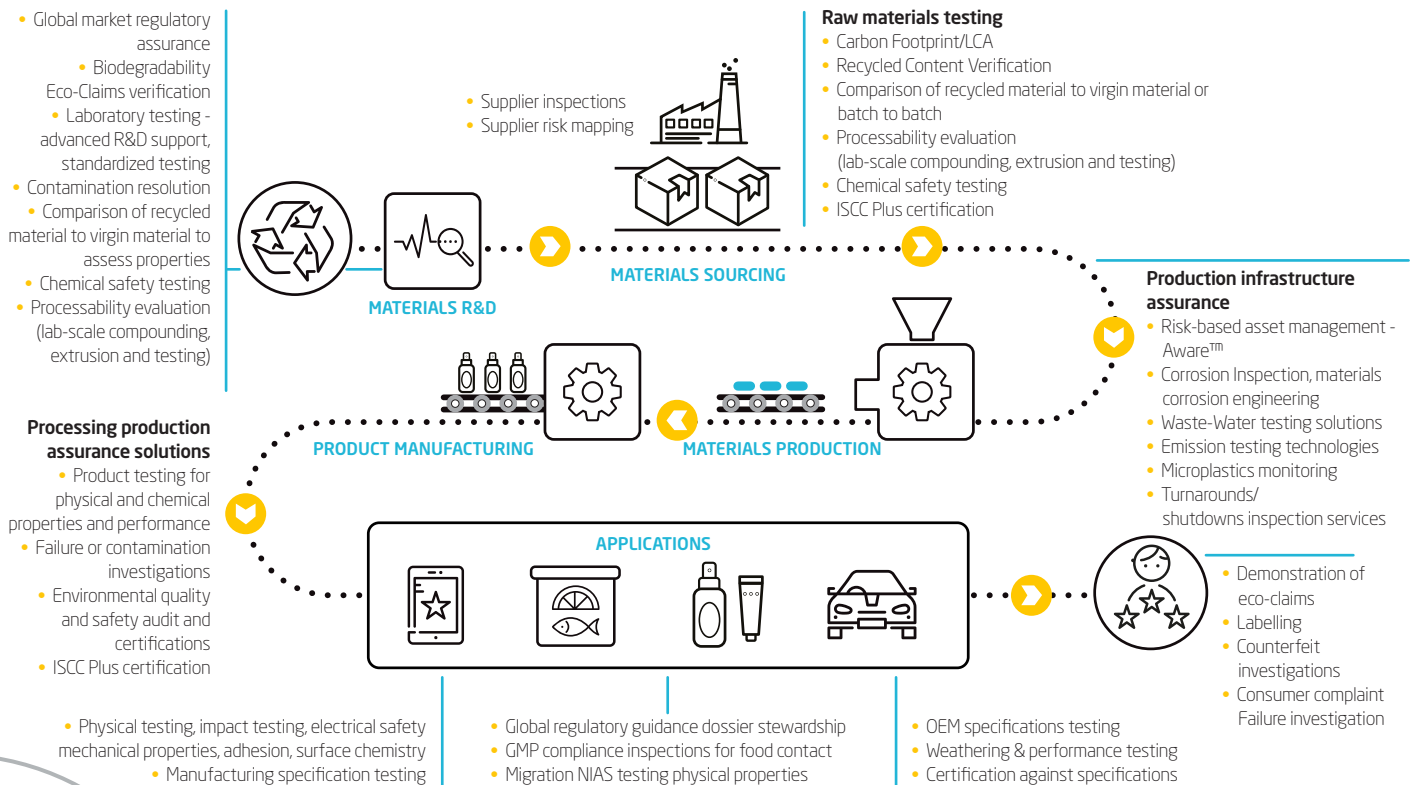
CIRCULARASSURE FOR WASTE COLLECTORS, SORTERS & MECHANICAL RECYCLING



CIRCULARASSURE FOR CHEMICAL RECYCLING



CIRCULARASSURE FOR PRODUCTION



CIRCULARASSURE FOR BRANDS & RETAILERS

CHALLENGES



Pressures from consumers and retailers environmental bodies to rethink wasteful models of production and consumption, reduce their environmental impact and justify their green claims



Investors have a heightened focus on ESG measures of the companies in their portfolios



Need to realize costs savings where possible (e.g. lightweighting vs performance)

END-TO-END RISK-BASED ASSURANCE SOLUTIONS

Demonstrating commitment to sustainability:

Recycled content audit and certification, ISCC certification
Resource consumption per kg of resin
Carbon footprint/LCA
Recycled content verification
Eco-claims verification
ESG audits and corporate sustainability programs

Materials/product quality & safety
Regulatory compliance and testing (e.g. food contact)
Performance and failure testing
Contamination investigations



INTERTEK INTERPRET



Real-time analytics to drive greater insight and value for the recycling value chain

As the global polymers and plastics industry progress towards a circular economy, understanding innovative chemical recycling technologies and feedstocks is critical to optimizing recycling value chains.

Interpret provides clients with rapid access to vital characterization data required to make informed decisions on product quality and quantity, thus saving time and cost while also maximising output.

Feedstock

Analysis of feedstock for quality control and contaminant ID
Track overall feedstock composition

Conversion

Big data analytics to track processes & ensure optimum process conditions for maximum plant performance

Purification

Fast online analysis of products before and after separation processes for control & quality monitoring

End user

Added value for traders and refiners
Can provide data and assurance to marketplace

MITIGATING CIRCULAR ECONOMY CHALLENGES



Total Quality Assurance

From electronics to automotive, from packaging to construction, across all sectors that use polymers or plastics, CIRCULARASSURE helps businesses to close the loop and tell their sustainability story.

Contact our CIRCULARASSURE team now to discover how our risk-based quality assurance program can help you to achieve Total Quality Assurance and accelerate innovation of well-performing, safe and compliant products and processes that benefit our daily lives.



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