



World Environment Day 2018

Session 1:

Role of PRO in handling E-Waste and Plastik Waste – Global Perspective

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Different Models get applied on a Global Scale



Managed by authority



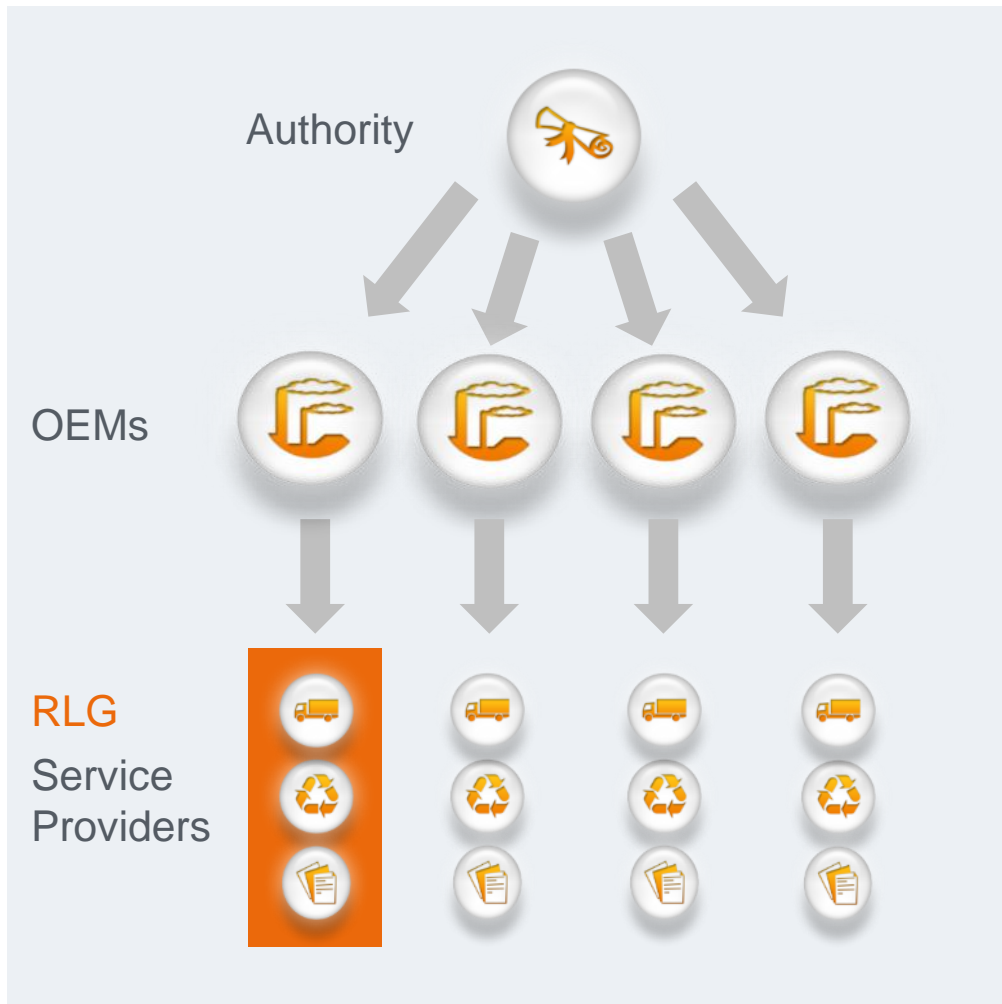
Managed by registered
take-back systems



Managed by OEM

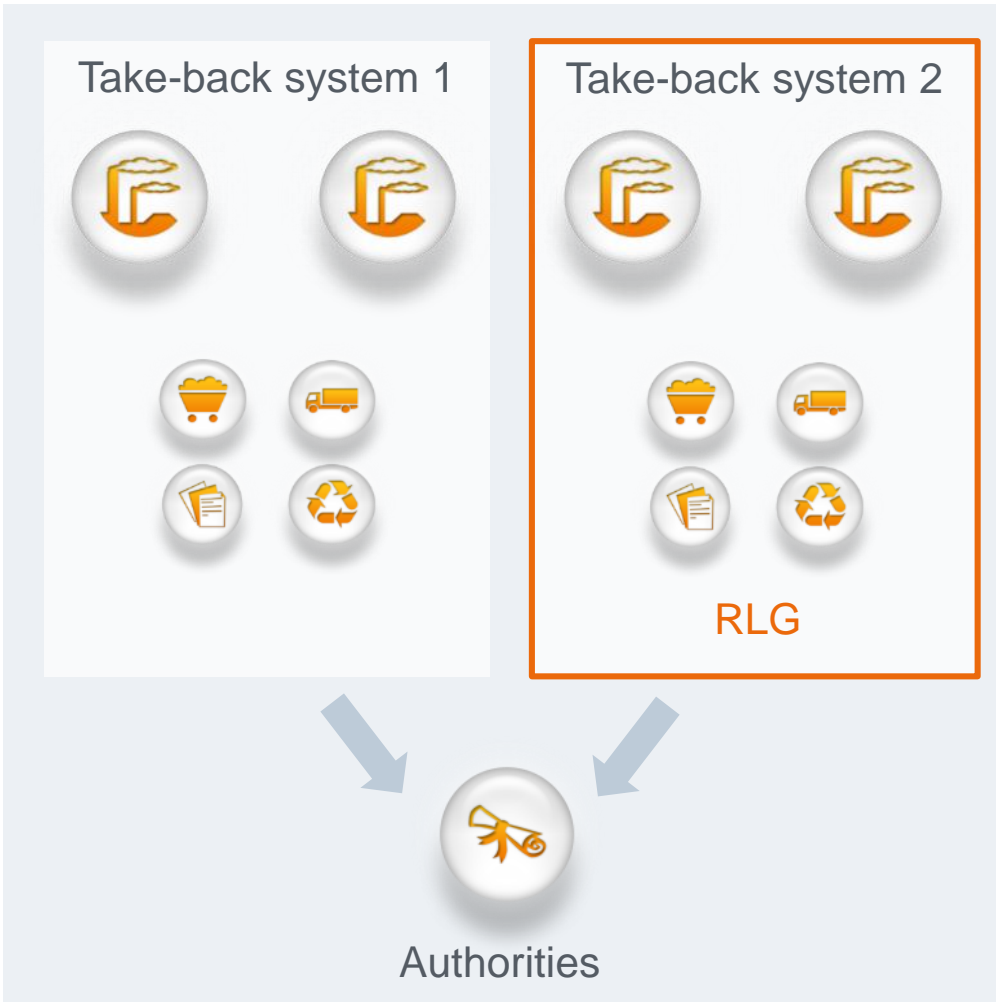
**WEEE and Plastic/ Packaging waste
take-back is differently organized**

Take-back managed by authority



- Service providers as RLG perform
- Collection
 - Recycling
 - Reporting to authorities

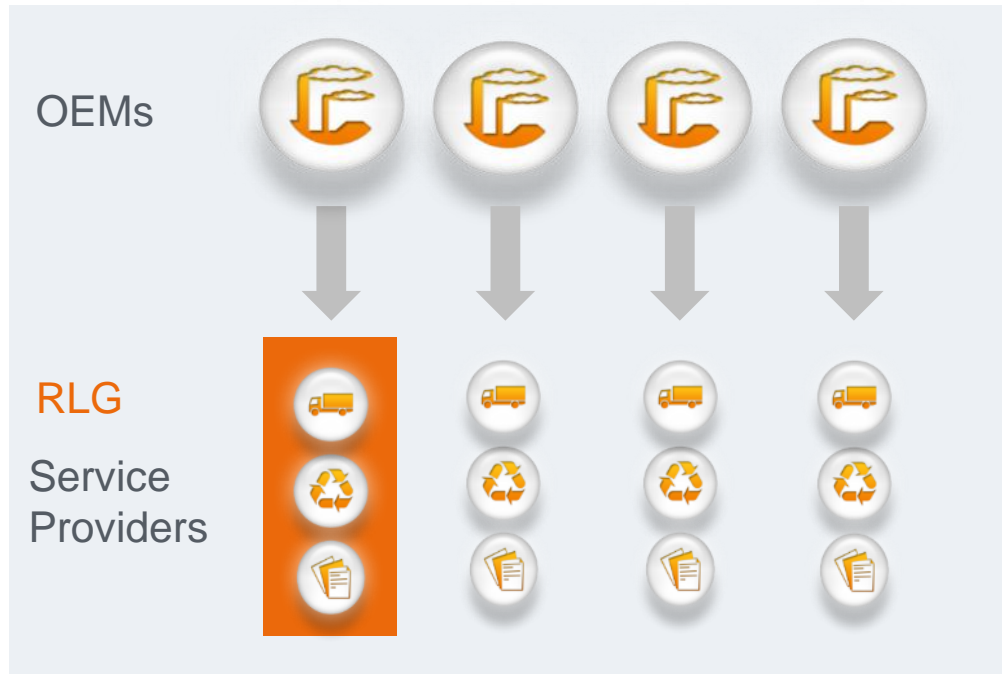
Take-back managed by registered take-back systems



Take-back schemes cover

- Collection
- Recycling / disposal
- Documentation
- Reporting to authorities

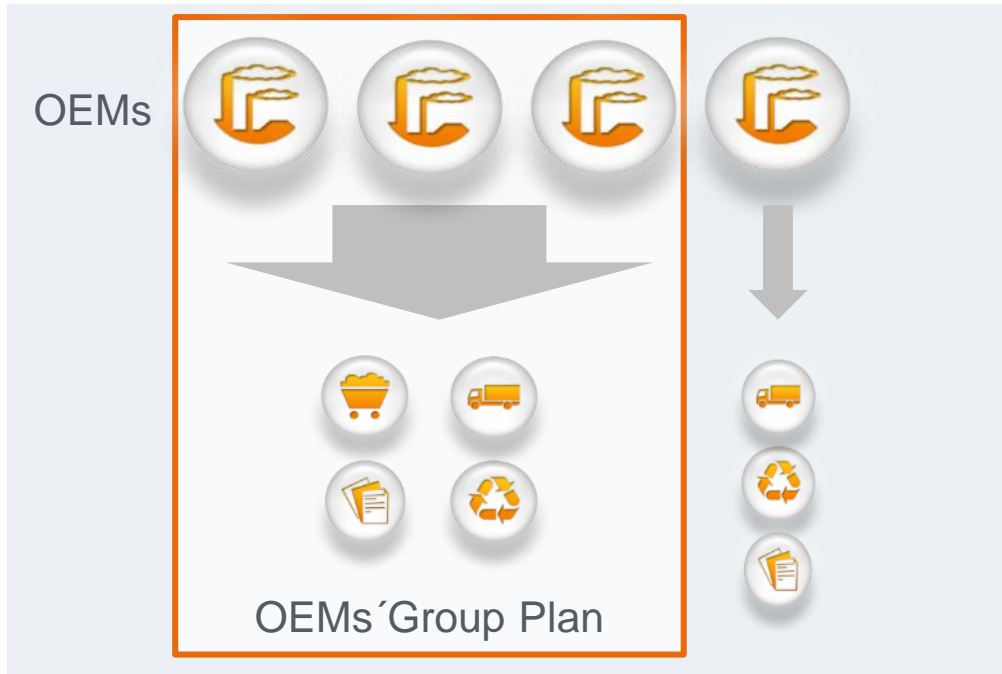
Take-back managed by OEM



Various service providers as RLG perform

- Pick up / collection
- Recycling / disposal
- Documentation / reporting to authorities

Improvement: OEMs' Group Plan



Group Plan covers

- Collection
- Recycling / disposal
- Documentation / reporting to authorities

✓ Lower cost

✓ Improved control

✓ Higher collection performance

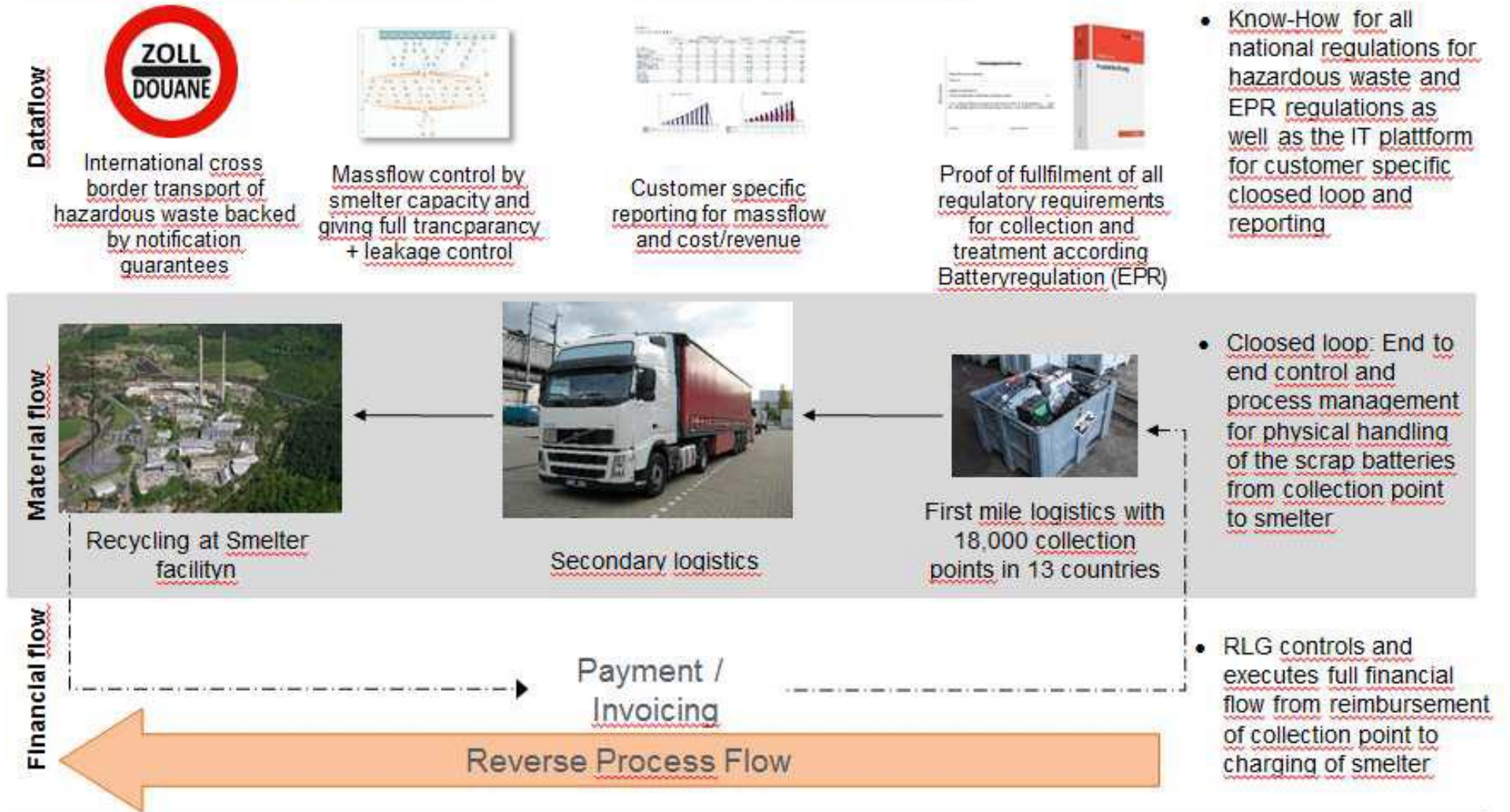
Managed by RLG

Key Roles of PRO

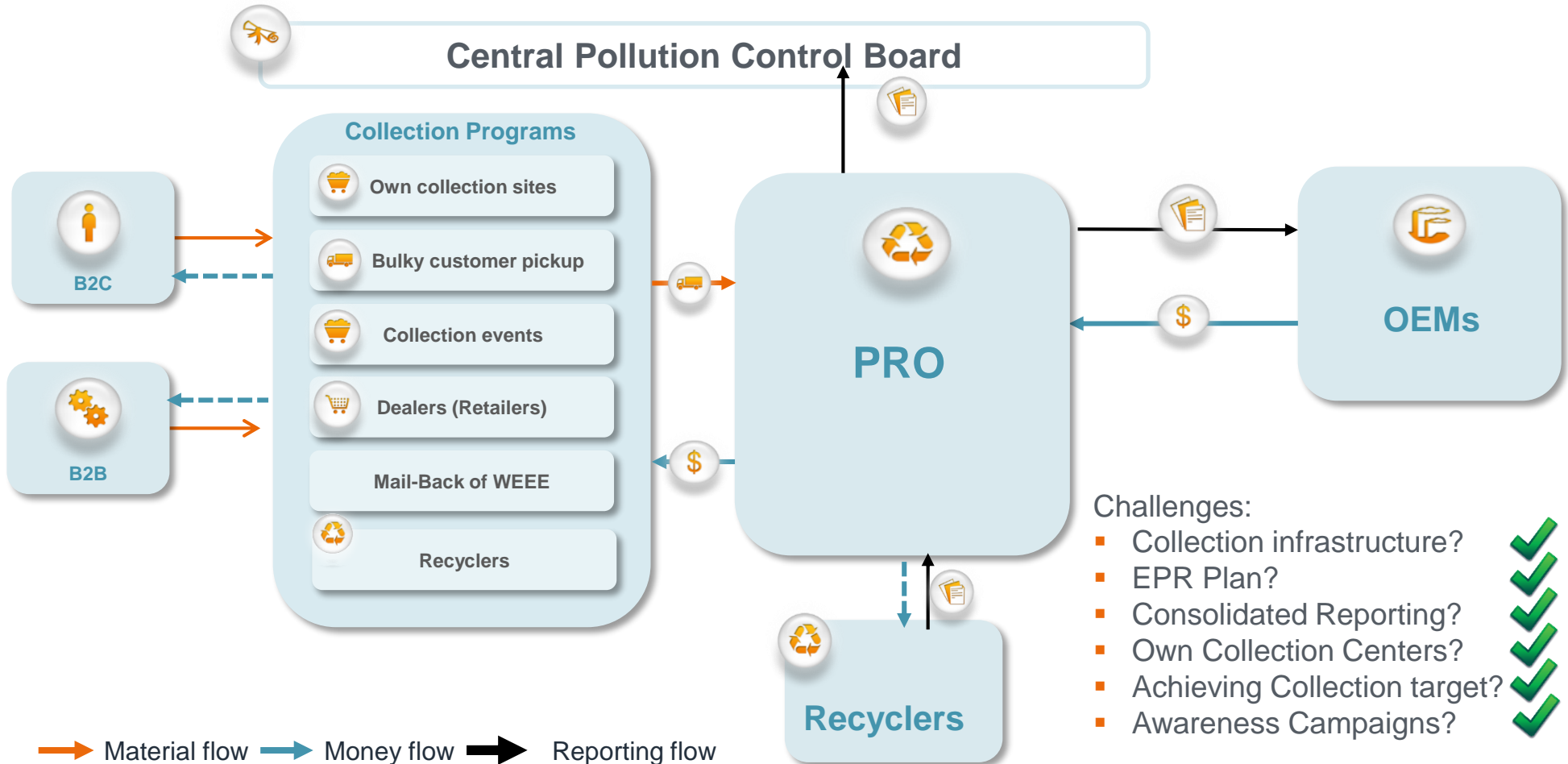
- **Towards Producers/Obligated parties**
 - Operational fulfilment of compliance regulations
 - Platform for joint awareness activities with impact and scale, while being more efficient than individual activities
 - Specialist for non core activity, reducing complexity and administration
 - Reporting and documentation requirements to proof fulfilment of regulation
 - Ensuring compliant handling of EoL-products throughout whole process
 - Financial Management and administration
 - Cost transparency

- **Key elements to authorities**
 - Enforcement on all market players – no freeriders
 - Control on massflow – avoid paper trading
 - Control on standards of treatment along the whole reverse chain (multiple tiers)

Sample: Collection mechanism on lead acid batteries EU



PRO setup – innovative and omnichannel collection approach

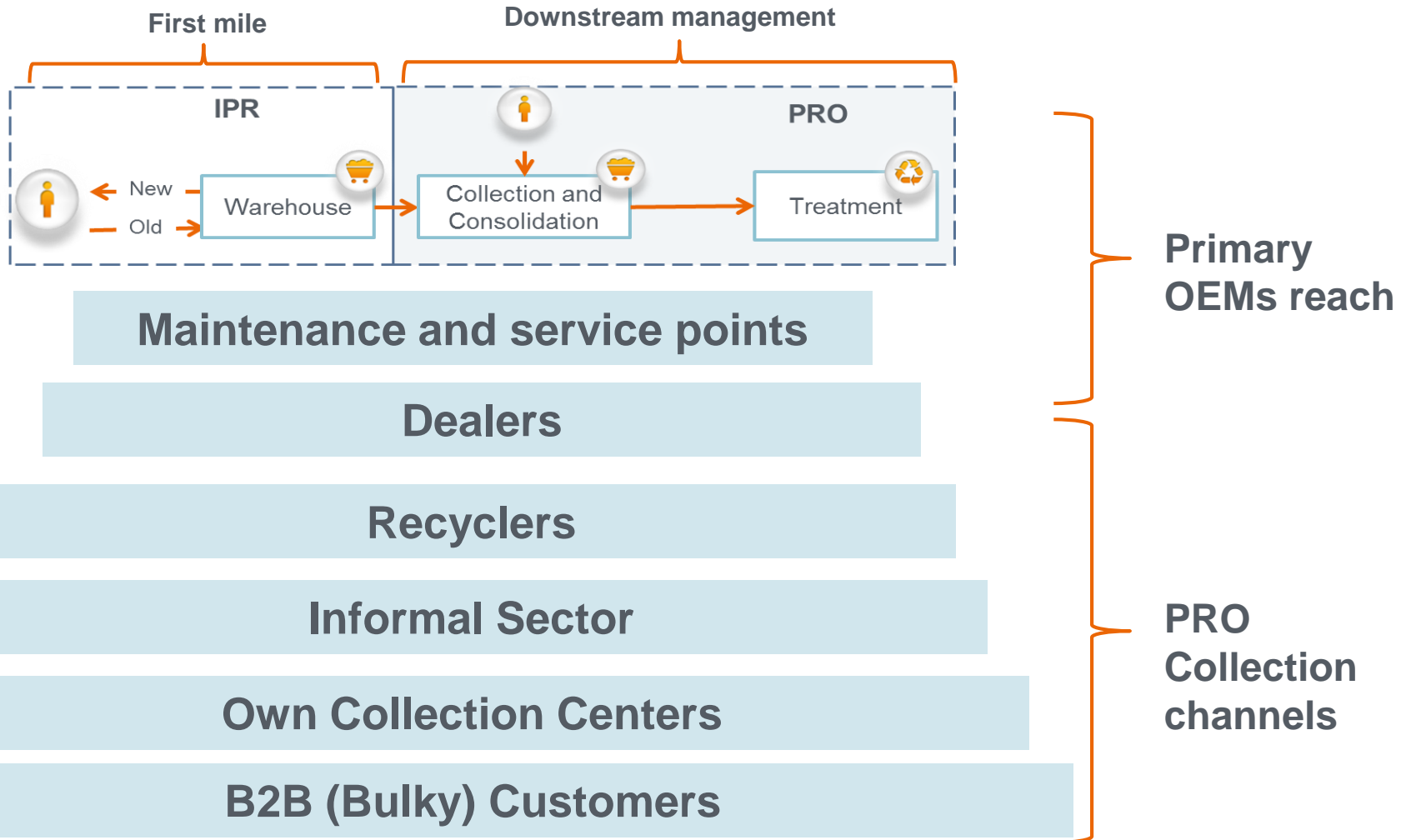


Challenges:

- Collection infrastructure?
- EPR Plan?
- Consolidated Reporting?
- Own Collection Centers?
- Achieving Collection target?
- Awareness Campaigns?



The PRO approach



Key learnings of ERP execution and effectiveness

- There are multiple ways to design and implement an e-waste management system that delivers satisfactory results
- The basis for any well functioning e-waste management system is early and constant consumer education and awareness creation
- Government control and involvement for the key tasks e.g. certifying, centralizing information and enforcing participation ensures a fair and compliant level playing field for all stakeholders
- Clear definition of roles and responsibilities assures an active stakeholder participation and smooth operation of the system
- Transparency (e.g. through a centralized IT platform and tracking system) builds credibility and is important for controlling and evaluating the efficiency of the system.
- Challenging but achievable collection and recycling targets encourages innovation in collection systems and recycling technologies
- Producers engagement shall not be limited only to the financing of the system but also require their active participation e.g. advisory, PRO selection, own collection and recycling infrastructure
- For some product categories, recycling cooperation on a regional level (e.g. EU), brings profits by achieving economies of scale.
- Convenience and low cost to households correlate with higher collection rates
- System setup provides incentives for the informal sector to shift to the formal system.

Interest and motivation of key Stakeholders in India

Government

Producers

Consumer

Operational
executing

PRO

Deliver overall service, ensuring and balancing where needed the interest of the different stakeholders as a neutral, free of conflict of interest acting organization for all stakeholders

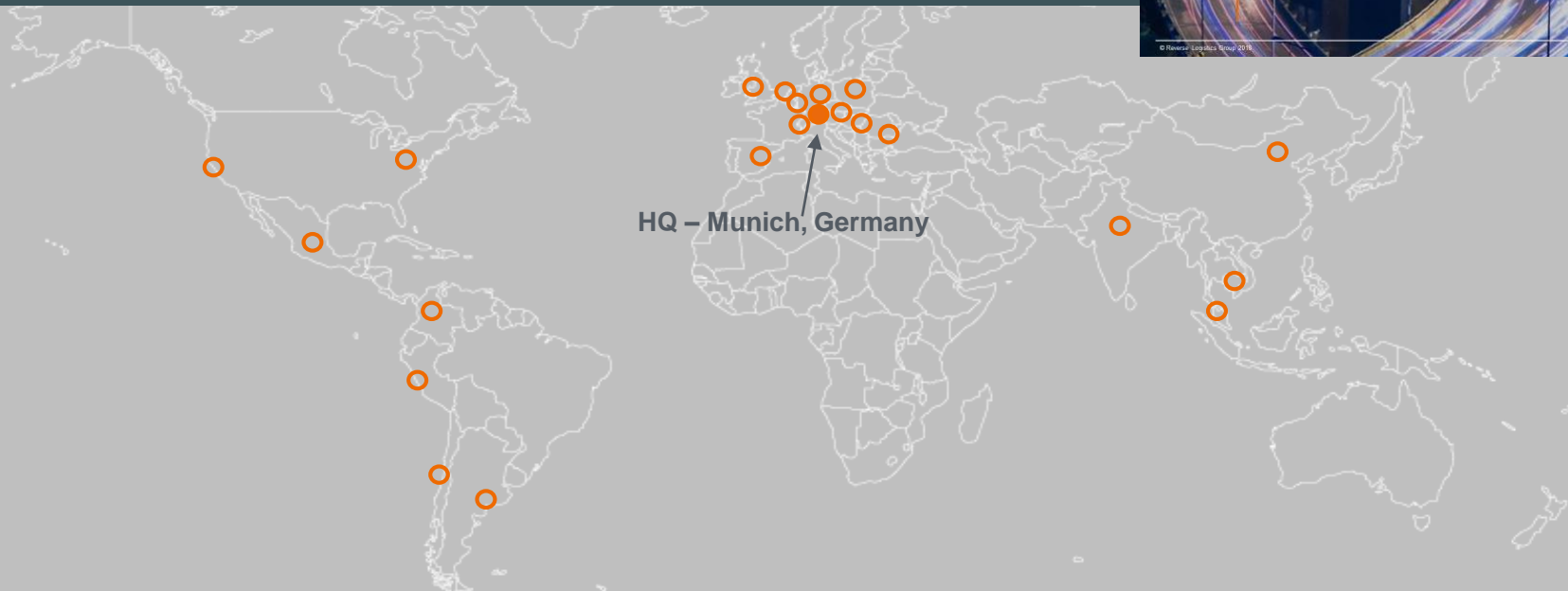
Acting as Regulated and Licenced Organiation towards Obligated Parties and to the Government

- Participation of all market players
- Achievement of work standards
- Proof of reality matching reporting

- standards
- Minimal administration

RLG Global scope – local reach

- Reverse Logistics Group (RLG) services are offered across the globe.
- 30+ subsidiaries and 20+ regional offices on 4 continents.
- Customers live in more than 80 countries.
- PRO Operator (E-waste, Batteries, Packaging) in 18 countries
- 500+ employees collaborate with hundreds of partners.
- This enables us to act locally, while developing globally.



Thank you for your attention.

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