"WELL DESIGNED" DRS IN ROMANIA

6th July 2022 Patrick Wiedemann, CEO



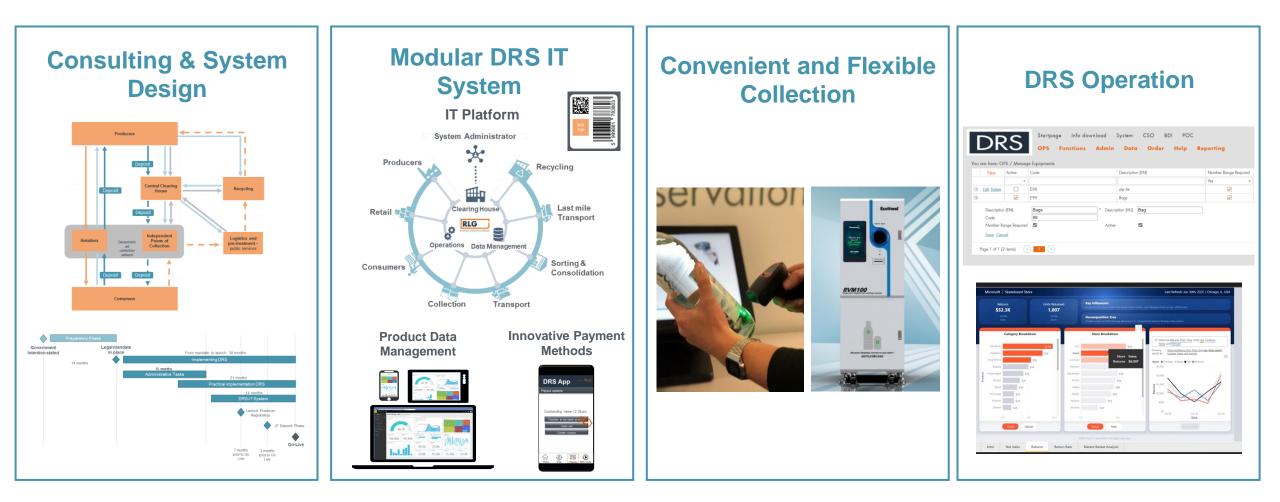
RLG CORE SERVICE AREAS





••• WE OFFER SERVICES ACROSS THE DRS VALUE-CHAIN





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RLG IS PART OF RECONOMY GROUP

We're an innovative, technology-led company, providing services the world over and through three main verticals





The Reconomy Group overall is delivering revenues of around EUR 1 billion with strong growth and employs globally over 2,500 employees

Creating a truly sustainable world

OUR DIVISION HAS A TRULY GLOBAL FOOTPRINT



Reconomy Compliance serves customers in more than 80 countries through 23 regional hubs



EXPERIENCED PARTNER IN DRS AND EPR SCHEMES IMPLEMENTATION – SELECTED EXAMPLES

IT Platform provider for world-class PRO in Canada

- RLG designed, implemented and operates the portal where Producers register with CM and report volumes of products put on the market.
- > The PRO includes the biggest producers in the market and is a model for other PROs in Canada

Circularity Scotland

End-to-End DRS Technology Setup in Scotland

- Circularity Scotland selected RLG to set up an IT infrastructure for a DRS in Scotland that will be live by 2023
- RLG is delivering a fully integrated, end-to-end DRS IT system that is efficient, flexible, inclusive and future-proof

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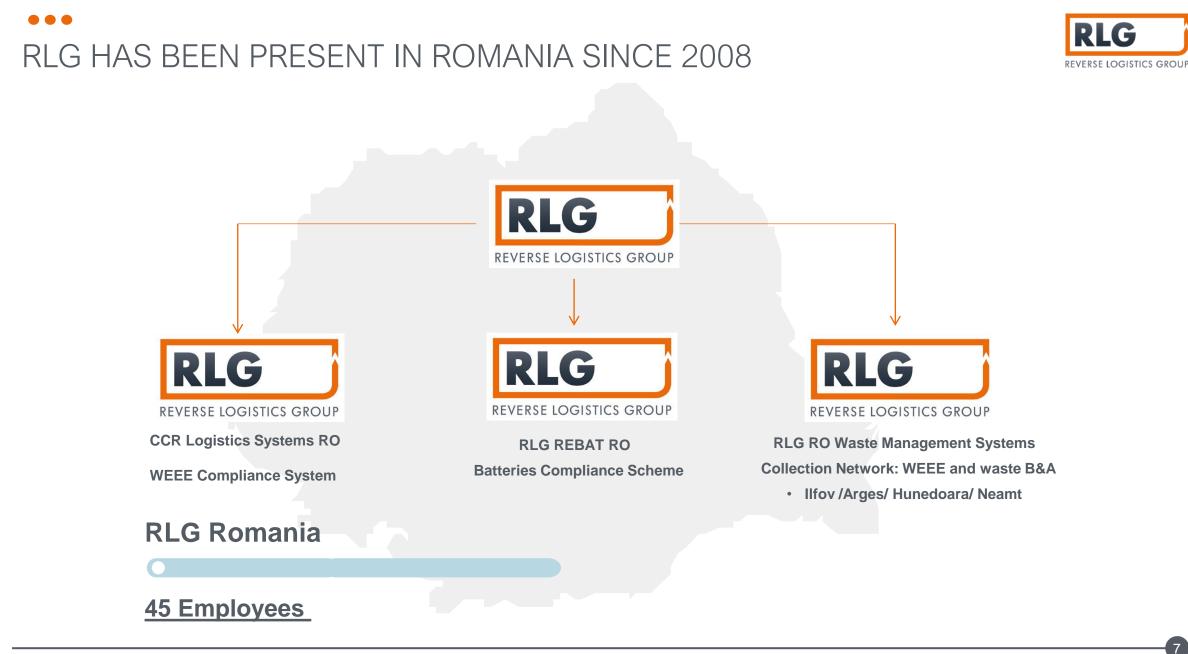
Tech-enabled Leading PRO in India

- > Our company manages a total of 32 PROs globally accross different kinds of local landscape.
- RLG was able to set up the PRO India from scratch (with the challanges of the large geography and a big informal sector)

+ Team of DRS and EPR experts Globally and in Romania











02 DRS Situation in Romania

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According to the Romania legislation the system shall run on EAN code

Challenging timelines to implement the system.

Romanian Retail Market

- According to Romania legislation, only retailers >200 sqm are mandatory collection points
- There are >80,000 mini markets in the country (vs a total of 3,500 supermarkets)
- Mini markets shall be integrated into collection network as they cover ~50% of the market¹
- Consumer convenience

Expected system inefficiencies

- Logistics (manual collection)
- Limited use cases and costs for RVMs
- Opportunities for fraudulent activities

FRAUD WILL POTENTIALLY BECOME A COST AND SYSTEM INEFFICIENCY



Examples:

Fraud Impact on traditional DRS

Impact on DRS system

- Estimated damage in the German DRS system: € 100 million (for 2.5 years).¹
- Approx. 1 % of total DRS-products in the market during the period.²

Fraud methods in traditional DRS systems:

- Returning the same item several times
- Allow fake barcode stickers on non-deposit bearing containers
- Allow pay out deposits on non-deposit bearing containers and intl. Barcodes
- Possibility of hacking RVM machines



Printing fake EAN codes Sweden case returning + 1500 nondeposit containers.³

Returning the same bottle multiple times German case extracting € 50,000 with one bottle. ⁴



Source: RLG Knowledge/ Süddeutsche (2019): https://www.sueddeutsche.de/panorama/pfandbetrug-urteil-kriminalitaet-1.4403519

1, 2 No officially approved number but based on studies and confirmed by RLG specialists to be a realistic number while subject to uncertainty due to assumptions made

³ Pantbedragare åtalas för flera fall av fusk (ystadsallehanda.se)

⁴ Man cheats recycling machine out of €44k with one bottle (thelocal.de)



Fraud Cost Risk Romania					
PtM - # of containers / year	6-8 billion				
Deposit fee	€ 10 cents (0,50 RON)				
Annual deposit volume	€ 600,000,000 - 800,000,000				
Fraud Level	Risk amount				
0,5 %	€ 3,000,000 - 4,000,000				
1 %	€ 6,000,000 - 8,000,000				
2 %	€ 12,000,000 - 16,000,000				
3 %	€ 18,000,000 - 24,000,000				
5 %	€ 30,000,000 - 40,000,000				
10 %	€ 60,000,000 - 80,000,000				

Conservative assumption of fraud level in Romania based on the experience from other countries.

Fraud Risk depends on the characteristics of the local market: importance of mini-market, % manual returns, deposit value, demographic conditions, etc.

Source: Eunomia, RLG Expertise



Journey of DRS Systems "Back to the future"

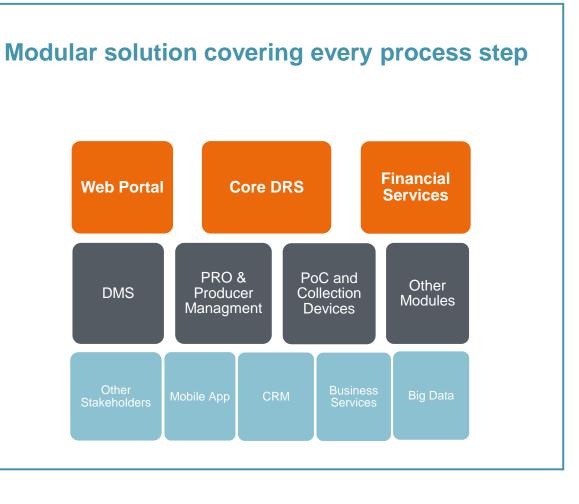
FROM TODAY TO FUTURE READY "WELL DESIGNED" DRS SOLUTION



Flexible collection methodologies: Big Retail, Mini Market and Beyond Retail







PROVIDING TECHNOLOGY AND OPERATIONAL IMPROVEMENTS



	EAN DR	S		Hybrid DRS			DM DRS		
	Marking Components	Included?		Marking Components	Included?	20)	Marking Components	Included?	
	EAN code	yes		n EAN code DRS Logo	EAN code	yes		EAN code	yes
	DRS Logo	Optional (and can be infrared or printing)			DRS Logo	Optional (and can be infrared or	43qgy267f x54z4g4x RLG	DRS Logo	Optional (and can be infrared or
	Data matrix	no			Data matrix	printing)		Data matrix	printing)
	code					yes		code	yes

Enabling a transition path to full serialization

FOR EXAMPLE: ADDRESSING FRAUD

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RLG technical solution for addressing fraud

RLG Solution for reducing fraud with traditional EAN coding

Business Analytics

 Microsoft Power BI in combination with SSRS for analysis and reporting.

Fraud Management

Data monitoring and analysis

Identifying non-standard behaviors and detecting patterns.

IoT HUB

Identifying and addressing fraud in real-time thanks to Azure Analytics Services capabilities.

Option: SMART DRS to prevent fraud

- Unique Code ensures product Genuity and customer protection
- Zero fraud (>99%) is only possible with a 2-factor verification (individual code and security marking)
- Codes cannot be printed and scanned to claim the refund; they are only valid once they are registered put into market
- Unique coding assure bottles can only be returned once
- Provides a security layer against a potential hacker: Fraud requires not only data manipulation, but also physically stealing containers with a valid security marking.
- The **deposit is linked to a physical item**, not to a label.
- Once a bad practice is detected, the code can be traced back.

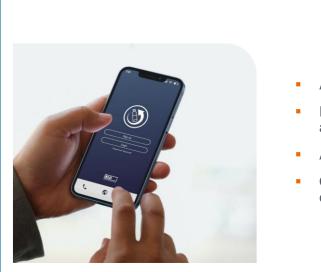
OPERATIONAL EXCELLENCE: MINI MARKET SOLUTIONS 1/2

RLG Mini Market solutions - Handheld & Mobile App

Handheld Device



- High-quality and speed camera-based scanner
- No development effort needed
- Real-time product verification against data base
- Optionally with receipt / voucher printer
- Optional possibility to crash containers after scanning



B2B Mobile App

Adapted to every environment

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- Real-time product verification against data base
- App customization needed
- Optional possibility to crash containers after scanning

Improvement areas:

- Validation at return point, not at counting centre
- Compaction possibilities
- Logistics cost reduction

OPERATIONAL EXCELLENCE: MINI MARKET SOLUTIONS 2/2

Simplified RVMs



Capacity	250 PET, 300 cans
Footprint	0,55 m2



Capacity	250 PET, 350 cans
Footprint	0,82 m2



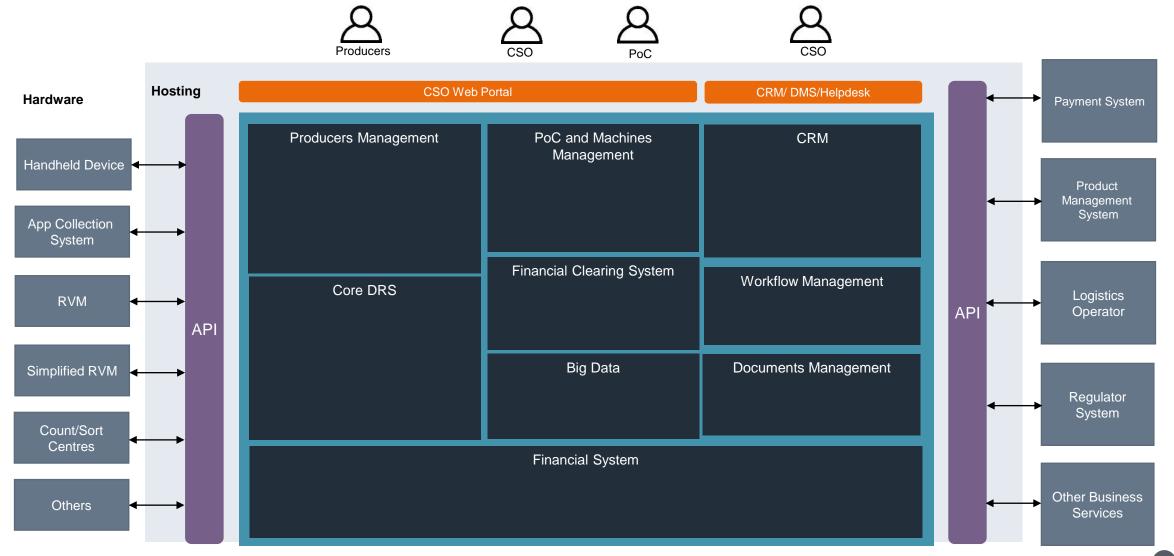




Capacity	300 glass
Footprint	0,71 m2

MODULAR AND FUTURE READY SYSTEM ARCHITECTURE



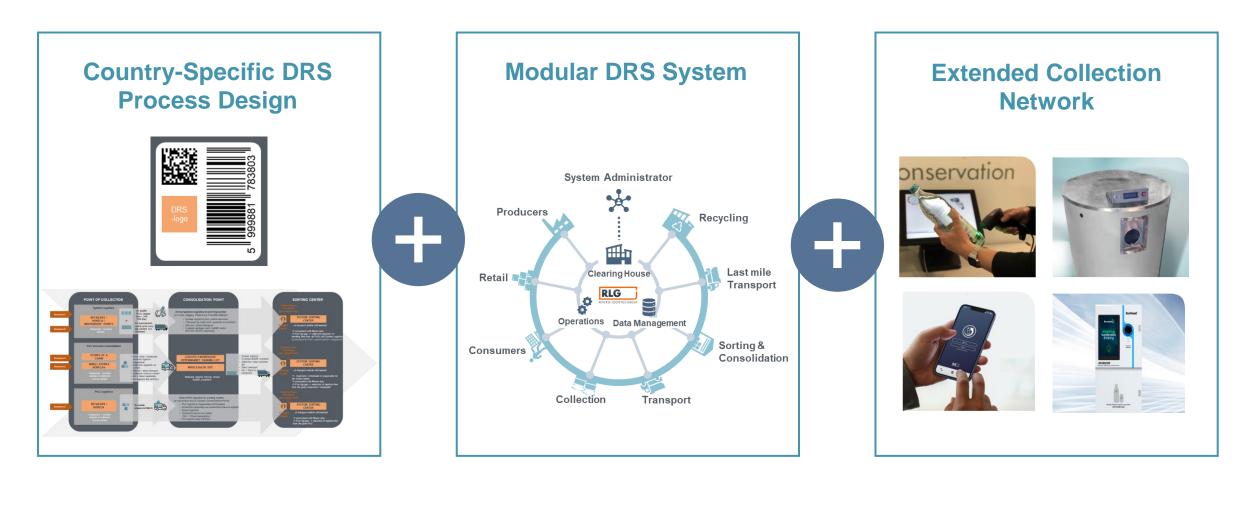


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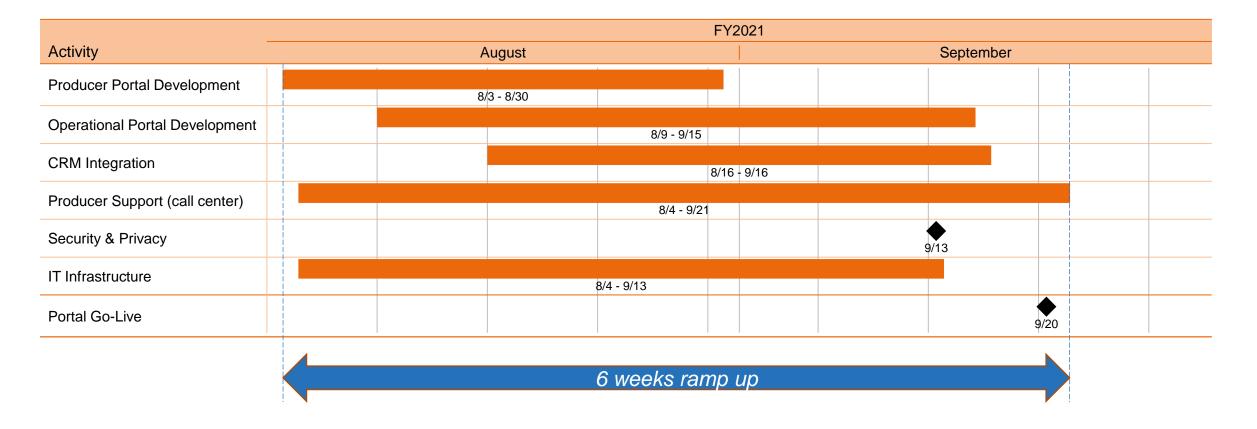


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RLG SUPPORTED CMO WITH FAST IMPLEMENTATION



Producer Portal implementation timeline





Suggest to design it "well" today or… live with the

consequences

Thank you for your attention!

Return to Value



