



DID YOU KNOW?

- By 2025 solid waste generation will increase by 70% compared to 2010 levels
- 32% of all plastic packaging made ends up in nature every year
- 20% of plastic packaging could be profitably re-used and 50% could be profitably recycled if designed for after use systems
- Continuing current practices there will be more plastic than fish in the ocean by 2050





DID YOU KNOW?

- By 2050, a global population of
 9.8 billion will require
 70% more food than is
 consumed today
- We are currently wasting 33% of global food production
- The food industry is worth more than USD 5 trillion annually
- Agriculture accounts for 20% of global greenhouse gas emissions



OUR BIGGEST GLOBAL CHALLENGES = OUR BUSINESS OPPORTUNITIES







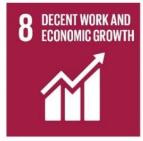
































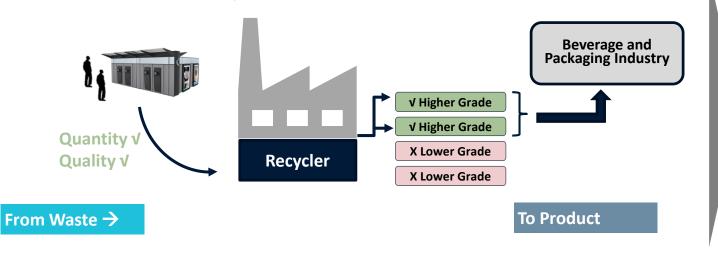


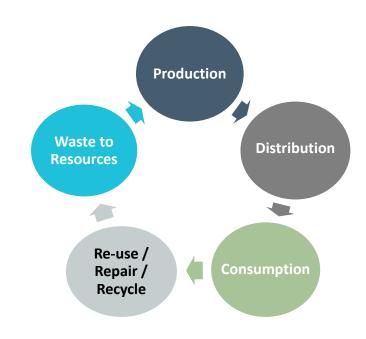
AS THE CIRCULAR ECONOMY MINDSET EVOLVES THE NEED FOR SUSTAINABLE SOLUTIONS IS ACCELERATING

Moving from a Linear Economy...



To a Circular Economy...







SIGNIFICANT UNTAPPED POTENTIAL TO REUSE GOOD MATERIALS



Total volume of plastic packaging is 78 mln tonne annually whereof ~14% is currently recycled, meaning ~67 mln tonne lost. With a volume yield of 72% and a weighted average price of 1,100–1,600 USD/t, the total value proposition is in the range of USD 50-80 bn. Please note that this is a conservative estimate based on a narrow definition of total annual plastic packaging volume. Applying a wider definition can increase the value proposition up to USD 170-190 bn.



PROPOSITION*
s 70-150 BN

Worldwide steel production is currently about 1,600 mln tonne annually. 70-90% recycling means ~1,100-1,450 mln tonne recycled and 160-480 mln tonne lost. Assuming ~90% yield in process with market price of ~500 USD/t equals USD 70-220 bn, so conservative range USD 70-150 bn



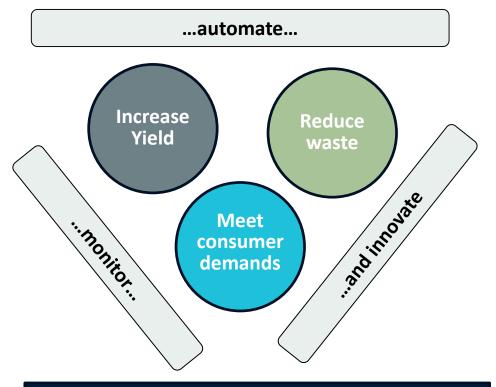
VALUE PROPOSITION* s 30-40 BN

~80 % of produced paper is potentially recyclable, ~400 mln tonne annually x 80% = 320 mln t/a potentially recyclable paper in the market. Today, ~58 % or 230 mln t/a are recycled, means 90 mln tonnes are lost. If this is recovered and goes into the paper recycling process there will be between 10-30% fibre loss, assuming on average 20%. The value of newsprint paper is ~400-600 USD/t, let's assume 500 USD/t = $^{\circ}$ 0 mln t/a x 80% x 500 USD/t = USD36 bn



NEW WAYS OF FEEDING A FAST GROWING DEMANDING POPULATION

To ensure an efficient food production there is an increased need to...



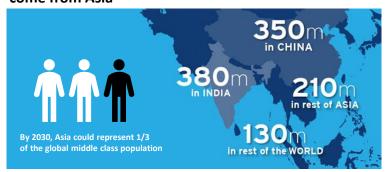
Feeding a demanding, rapidly growing urbanized population brings opportunities for TOMRA





The digital consumer...

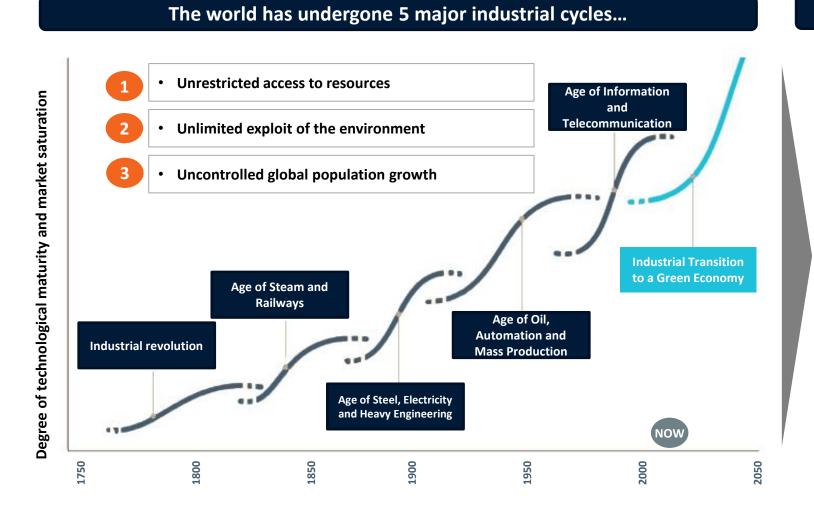
88% of the next billion entering the middle class will come from Asia



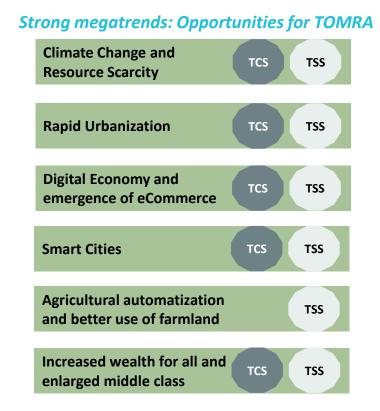
Increased buying power from a growing and wealthier middle-class...



TOMRA: POSITIONED TOWARDS MEGATRENDS



...creating challenges and opportunities



FROM PURPOSE INTO PROFITS AND PROFITS INTO PROGRESS, TOMRA IS **TRANSFORMING** WHAT IT MEANS TO BE RESOURCEFUL.



 Our solutions, in use around the globe, helped keep ~25 millions of tons of CO₂ from being released into the atmosphere in 2017

 ~35 bn used beverage containers are captured every year through our reverse vending machines

Our steam peelers process ~15 million tons
 of potatoes per year with a 1% yield
 improvement over other alternatives

 ~715,000 tons of metal are recovered every year by our metal-recycling machines





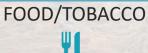


7.4
BILLION NOK
REVENUES 2017











RECYCLING





MINING





REVERSE VENDING

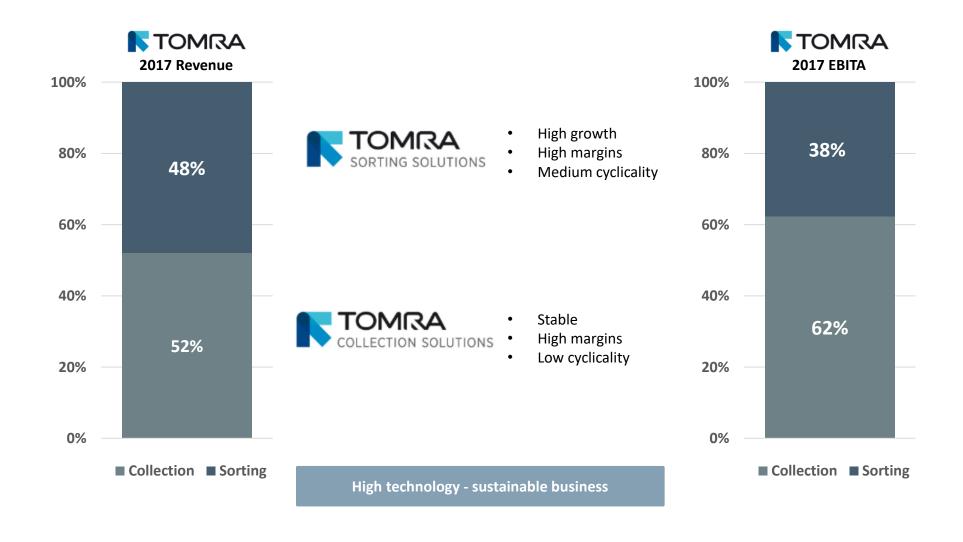




MATERIAL RECOVERY



CREATING VALUE THROUGH TWO STRONG BUSINESS AREAS*





THE TOMRA TRANSFORMATION JOURNEY

2008 TOMRA

TOMRA SORTING SOLUTION

TOMRA acquires





TOMRA scquires TITECH, the world's leading provider of optical recognition and sorting technology for the waste industri and TOMRA's transformation journey starts.



2005

2006



TOMRA acquires Orwak Group, a leading provider of compaction for a variety of materials.



TOMRA acquires Commodas - a leading

supplier within the field of sensor-based

products for mining and metal recycling.

Ultrasort - specialists in sensor-based mining technology.

2011



Sale of Californian material handling business. With the divestment the US operation became less exposed to

movements in commodity prices.



2011



TOMRA acquires Odenberg. rounding out the offering to include food optimization.



2012



TOMRA acquires BEST, leading food sorting machine producer. With the acquisition of BEST, TOMRA has ny far the widest reach within the food sorting universe.



2014



Divestment of Orwak. Further portfolio focus on sensor-base technology.





2016



TOMRA expands into lane sorting, acquiring New Zealand based Compac, confirming TOMRA's position as the leading provider of sorting technology into the food industry.

2018

TOMRA
SORTING SOLUTIONS

TOMRA compliments its food sorting portfolio with the acquisition of BBC Technologies, a leading provider of precision grading systems for blueberries and RRC other small fruits. TECHNOLOGIES

FROM:



Helping the world recycle

2000





Collection

2004



Collection Sorting

2008



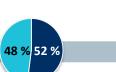
■ Collection Sorting

2012



Collection Sorting

2017



Collection Sorting

TO:



LEADING THE RESOURCE **REVOLUTION**



TOMRA'S TWO BUSINESS AREAS



FOOD

Share of '17 sales ~33%

1,110

Employees Customers

Food growers, packers and processors

Market share

Bulk: ~25% Lane: ~25%

RECYCLING

Share of '17 sales

~12%

Employees

185

Customers

Material recovery facilities, scrap dealers, metal shredder operators

Market share

~55-65%

MINING

Share of '17 sales

~3%

Employees

60

Customers

Mining companies

Market share

~40-60%

TOMRA SORTING GROUP FUNCTIONS & SHARED STAFF

Employees

140



REVERSE VENDING

~38%

1,375

Grocery retailers

~75%

MATERIAL RECOVERY

~15%

500

Grocery retailers and beverage manufacturers

~60% in USA (markets served)





INSTALLED BASE WORLDWIDE

TOMRA COLLECTION SOLUTIONS



REVERSE VENDING

Nordic ~15,100
Germany ~30,000
Other Europe ~14,600
North America ~16,000
Rest of the world ~6,300

TOTAL ~82,000

Not including machines sold on OEM agreements

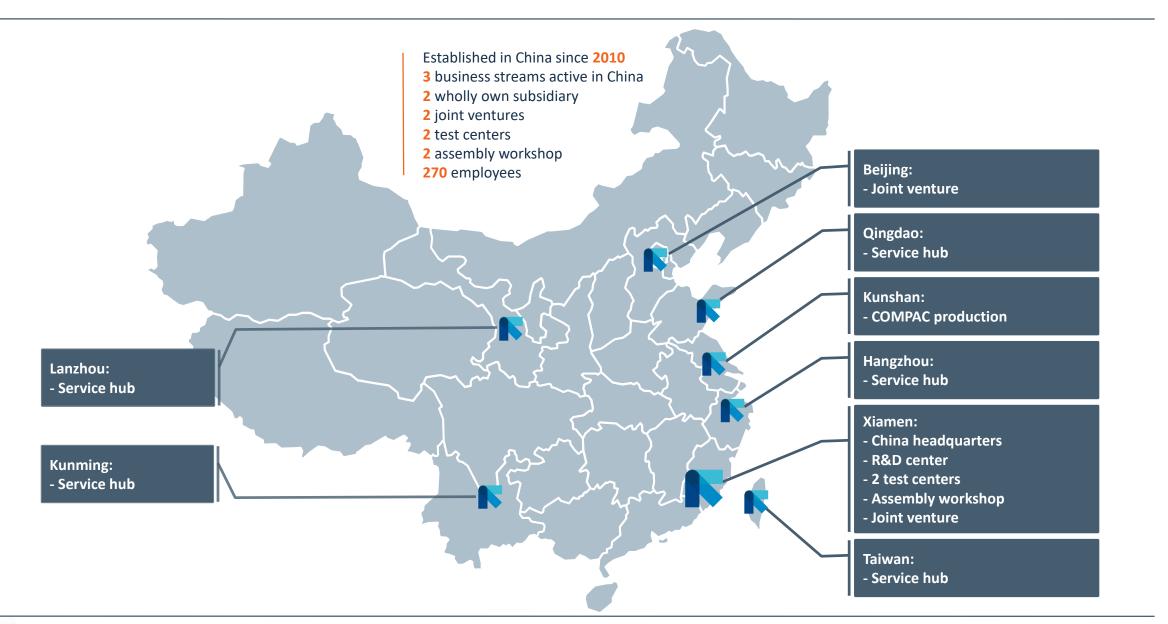




RECYCLING	MINING	FOOD BULK	FOOD LANE
EMEA ~3,850 Americas ~800 Asia ~700 Other ~20	Europe ~20 US / Canada ~35 Australia ~5 South Africa ~40 Other ~40	EMEA ~3,100 Americas ~2,850 Asia ~600	EMEA ~435 Americas ~690 APAC ~555
TOTAL ~5,370	TOTAL ~140	TOTAL ~6,550	TOTAL ~1,680



STRENGTHEN PRESENCE IN CHINA





MAKING MEANINGFUL CONTRIBUTION ALONG THE WAY

Thematic Support: Future of Food & Circular Economy





TOMRA's mission is to create sensor-based solutions for optimal resource productivity,

making sustainability profitable

- with increased relevance and meaning

The TOMRA Operations









Tangible actions to demonstrate our purpose of business

TOMRA's Corporate Responsibility Program will support the vision of leading the resource revolution,

through the impact of our people, products & services







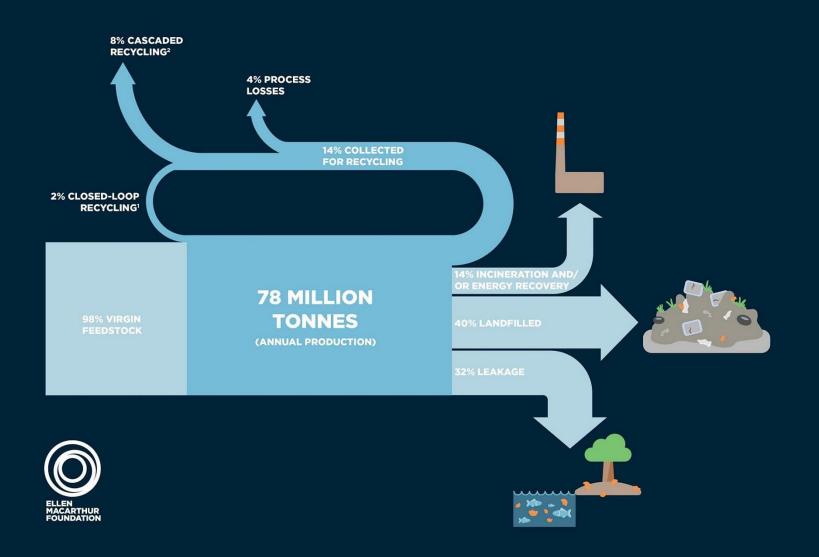
DID YOU KNOW?

- 1 million plastic bottles are bought around the world every minute
- Less than half of all purchased plastic bottles are collected for recycling
- ~ 35bn beverage containers are captured by TOMRA every year...
- ...representing only 2.5% of all beverage containers sold in 2017

INCREASING PUBLIC PRESSURE TO REDUCE WASTE AND LITTERING



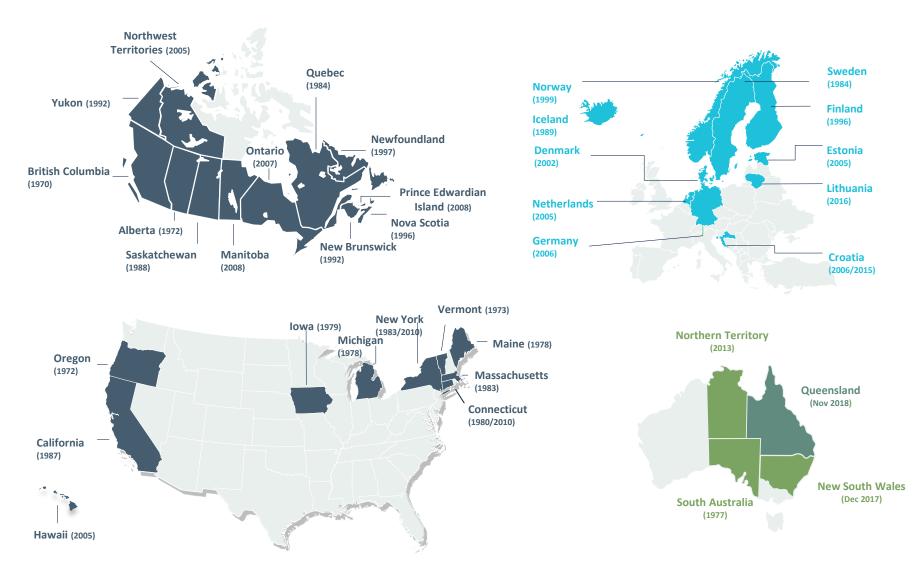
CLOSING THE PLASTIC PACKAGING LOOP REPRESENTS VAST POTENTIAL







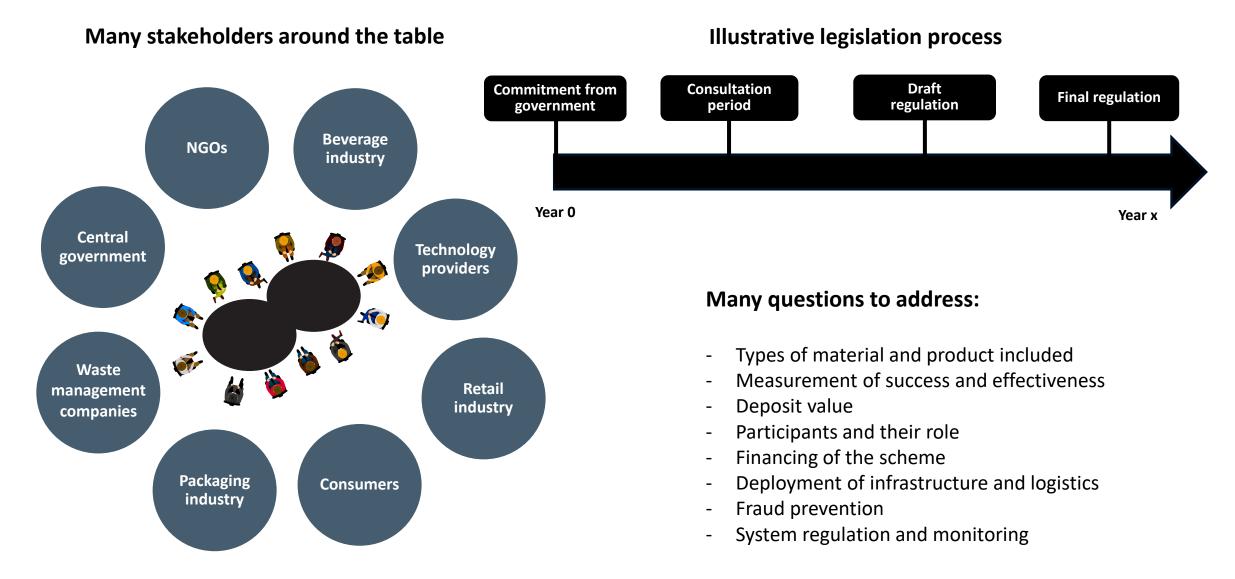
AN OVERVIEW OF CURRENT DEPOSIT MARKETS*



^{*} In addition, some markets have refillable deposit systems such as: Austria, Belgium, Chile, Czech Republic, France, Hungary, Poland and South Korea



DESIGNING A DEPOSIT SCHEME - LENGTHY PROCESS FROM IDEA TO LAW



UPCOMING DEPOSIT MARKETS ON THE MOVE

North America:

Possible expansion of deposit system in Quebec

Scotland:

Commitment to a Container Deposit Scheme announced in party program

England:

Announced plans for a deposit scheme to reduce plastic pollution.
Consultation period to follow

Spain:

Regional initiatives ongoing

- 10-

Australia:

NSW introduced deposit from December 2017

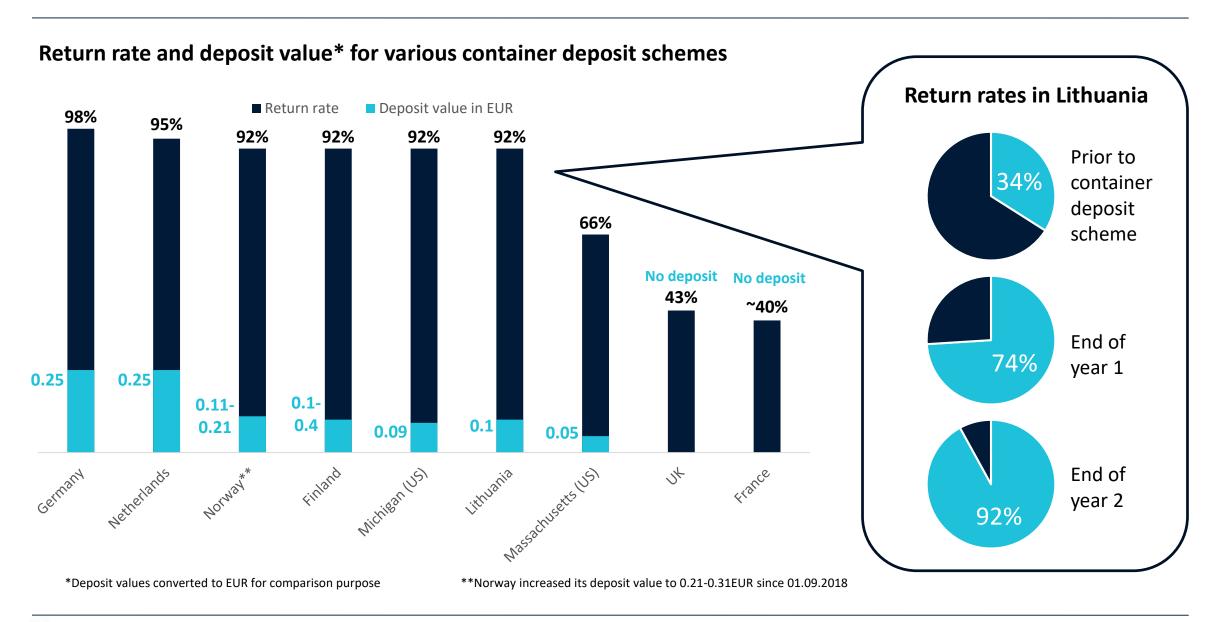
Recently approved

In progress

QLD announced that they introduce deposit in 2018 Western Australia might introduce in 2020



CONTAINER DEPOSIT SCHEME – REAFFIRMED AS A PROVEN SOLUTION

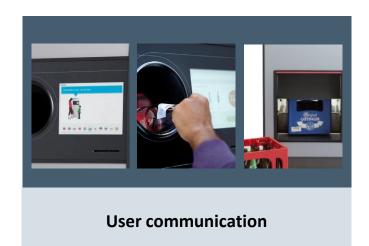




THE BENEFITS OF REVERSE VENDING IN A CONTAINER DEPOSIT SCHEME

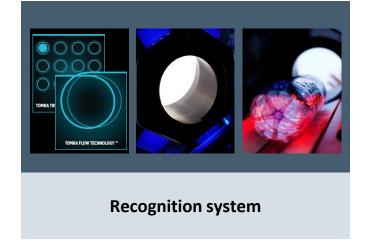


ELEMENTS OF A MODERN REVERSE VENDING SYSTEM



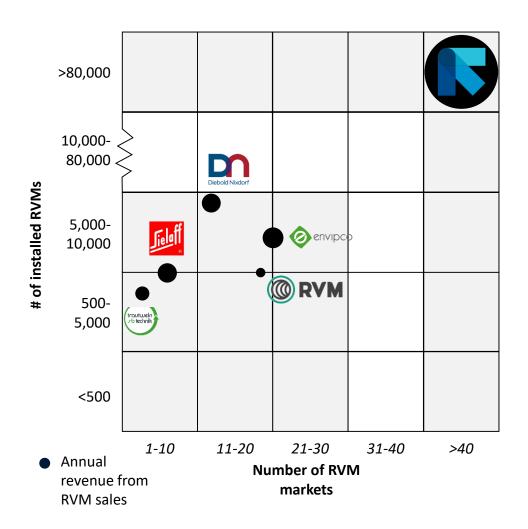








UNDISPUTED MARKET LEADER WITHIN REVERSE VENDING TECHNOLOGY

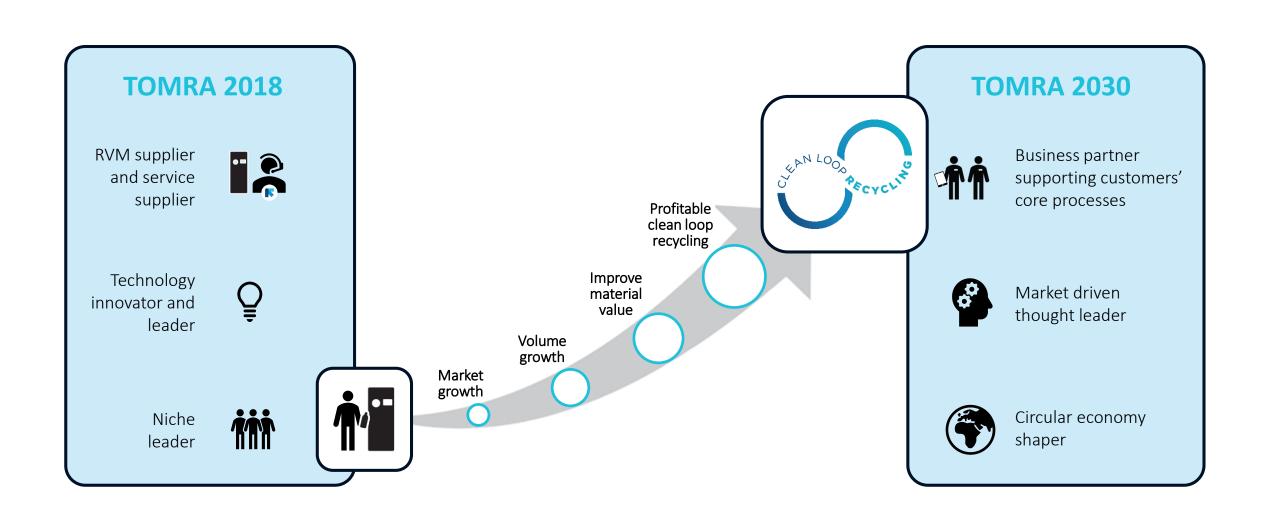




The smarter TOMRA system.



MOVING FROM A RVM SUPPLIER TO GLOBAL FRONTRUNNER AND THOUGHT LEADER WITHIN CIRCULAR ECONOMY





UTILIZE OUR COMPETITIVE ADVANTAGES TO GENERATE GREATER **CUSTOMER VALUE**

KEY STRENGHTS







Production capacity and supply chain



Efficient new market entry





Financial strength to support throughput business models



Human resources to support the growth



Strenghten brand awareness



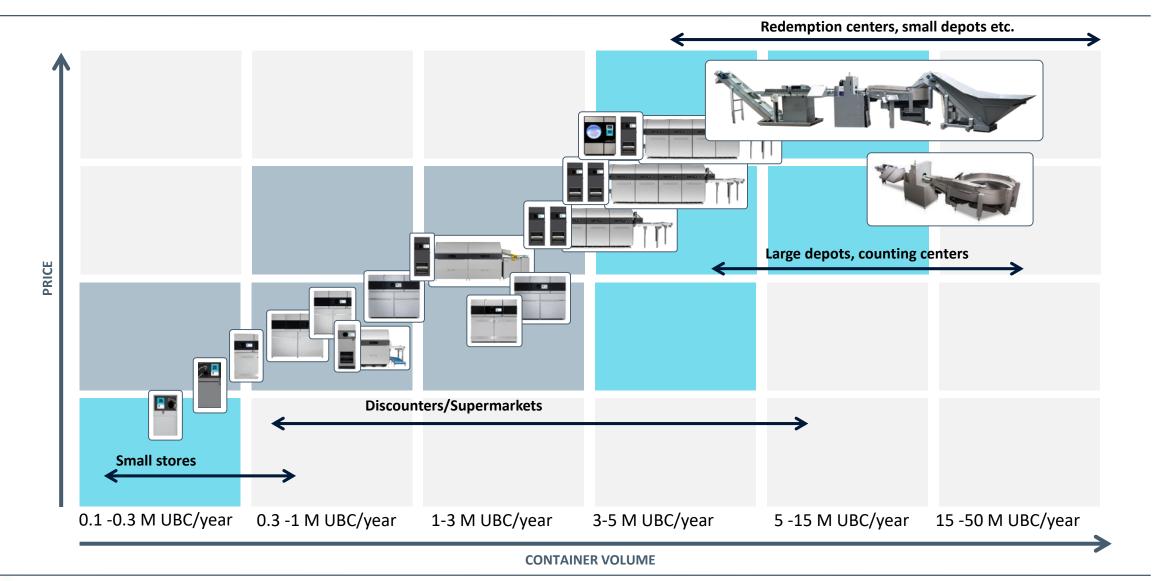
BASE MARKETS AND PRODUCT EXPANSION



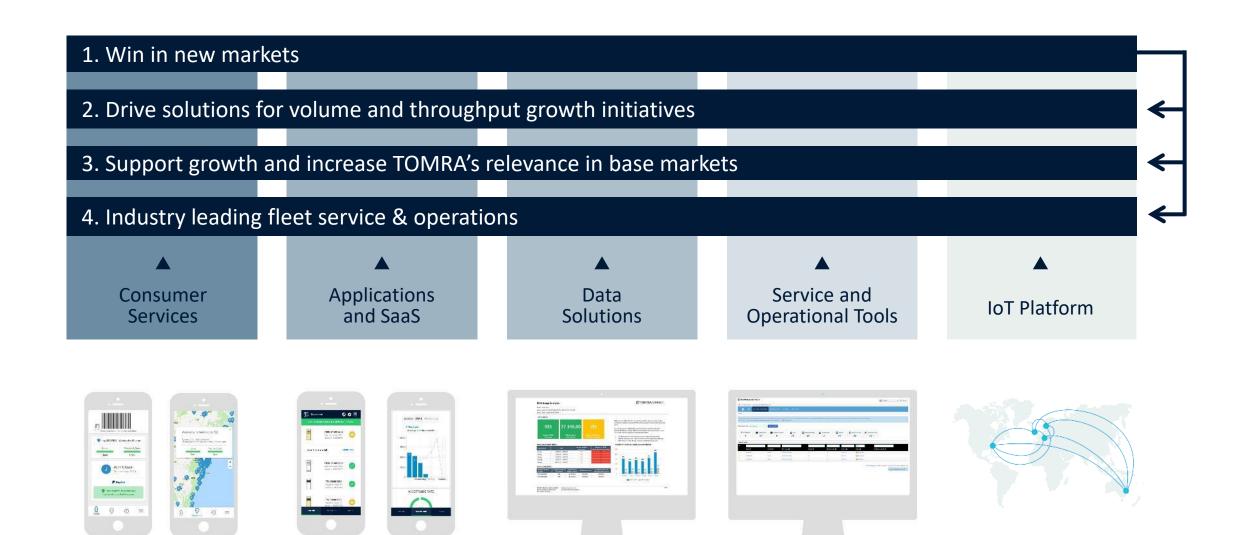
GEOGRAPHICAL EXPANSION



FLEXIBILITY AND SCALABILITY TO ENABLE NEW BUSINESS MODELS AND NEW MARKET ENTRY



A COMPLETE DIGITAL PORTFOLIO DESIGNED TO WIN





Engage consumers to drive volume in throughput markets

Deliver a convenient and engaging recycling experience for consumers that increase the participation and drive volume through our installations.







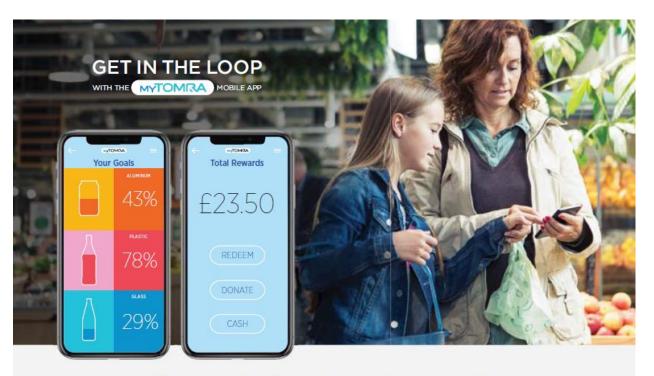
Modernize and enhance the consumer journey



Share stories and inspire change



Drive community engangement



Keep track of your recycling rewards with the myTOMRA app.

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follow us to stay in the Loop



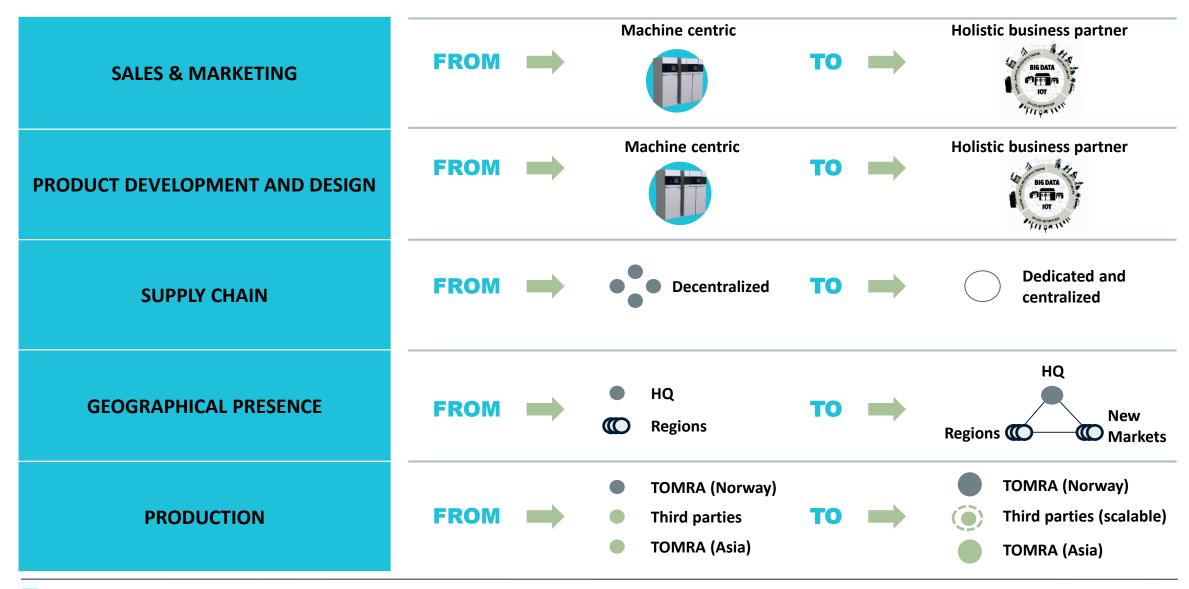




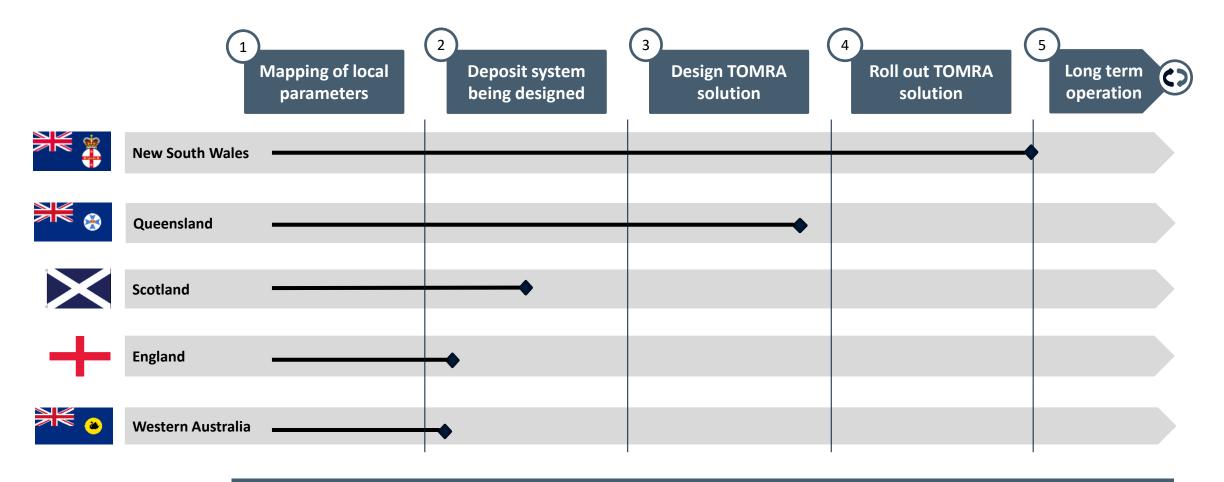




A DYNAMIC ORGANIZATION CATERED FOR GROWTH



LEVERAGE EXISTING CAPABILITIES FOR SUCCESS INTO NEW MARKETS

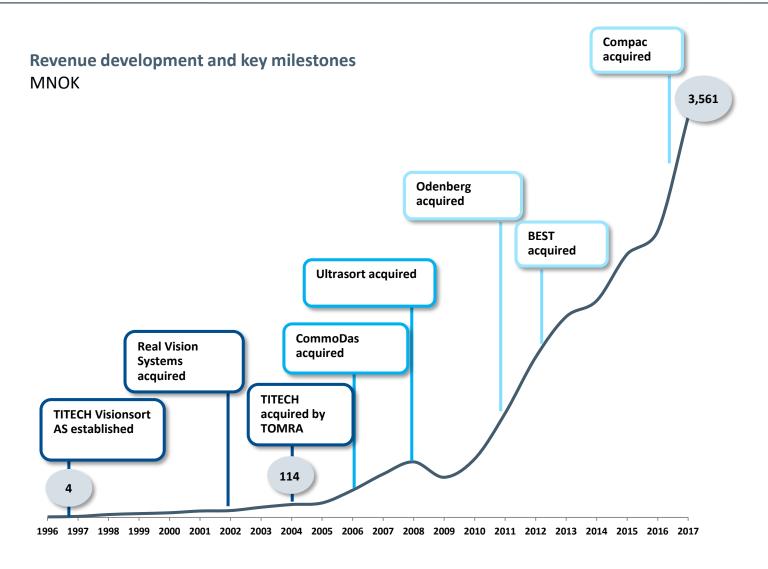


Utilize existing resources and knowledge base and add on local business unit to ensure optimal roll-out





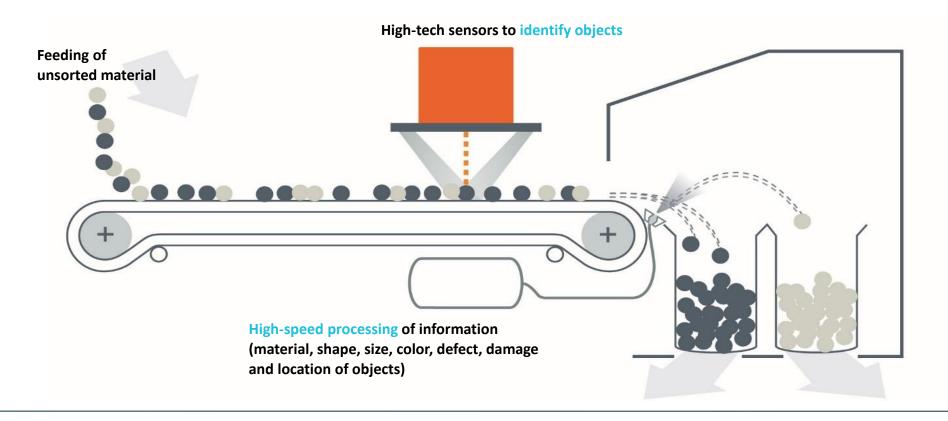
STRONG REVENUE GROWTH SINCE INCEPTION IN 1996



- Total revenue growth (organic plus inorganic) CAGR of ~30% per year from 2004-2017
 - Average annual organic growth for the same period was ~17%
- Technology base and segment/application knowledge expanded both through acquisitions and in-house ventures

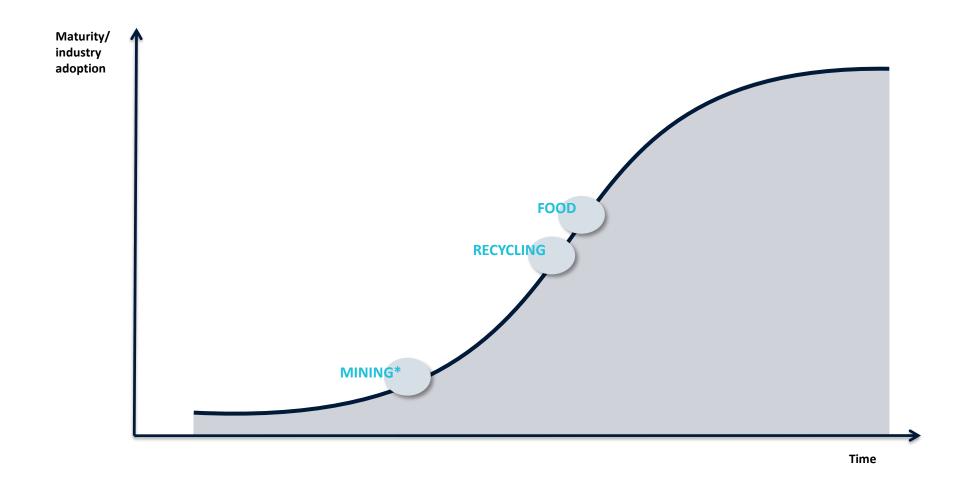
HOW DOES SENSOR BASED SEPARATION WORK?

- High-tech sensors to identify objects
- High speed processing of information (material, shape, size, color, defect, damage and location of objects)
- Precise sorting by air jets or mechanical fingers
- Product specific equipment design often including multiple technologies to maximize sorting efficiency





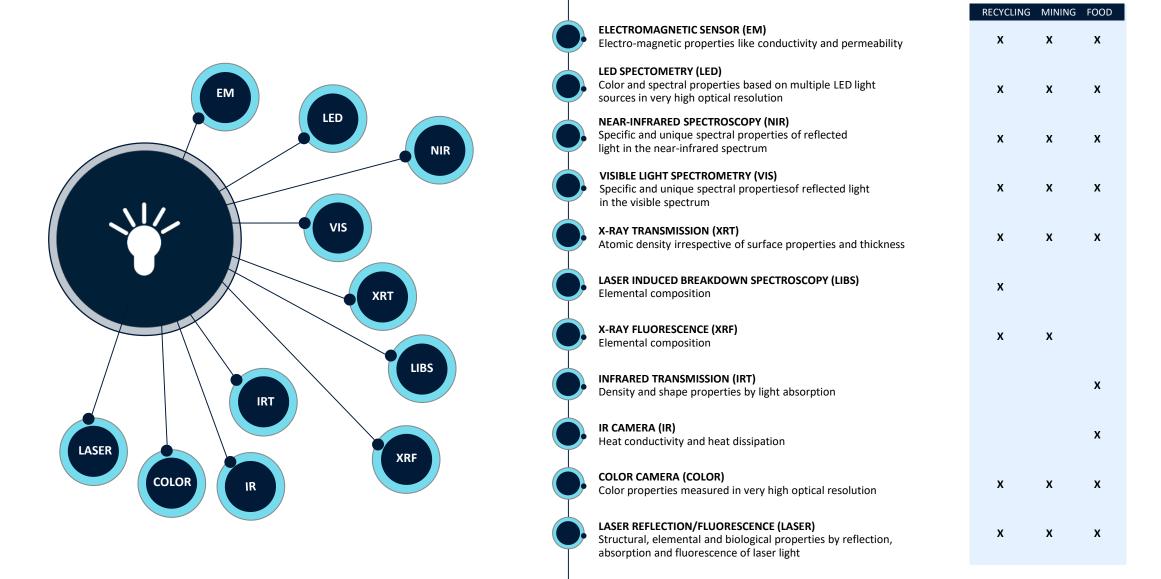
ADOPTION OF SENSOR-BASED SORTING AT DIFFERENT MATURITY LEVELS



* In certain mining sub-segments, such as industrial minerals and diamonds, sensor-based sorting is a more mature technology



A COMMON SENSOR BASED TECHNOLOGY PORTFOLIO





OUR PRODUCTS ARE DETECTING A WIDE RANGE OF PARAMETERS



Color

Removal of discolorations in monoand mixed-color material



Blemishes

Objects with spots or other (small) blemishes are removed



Defects

Removal of visible and invisible small and substantial defects



Structure

Removal of soft, molded or rotten food



Density

Detection of density differences



Damage

Broken, split and damaged objects are detected and removed



Shape & Size

Sort on length, width, diameter, area, broken-piece recognition, ...



Biometric Characteristics

Sort based on water content and removal of micotoxyn contaminations



Foreign Material

Removal of foreign material in a material stream, e.g. insects, worms, snails or plastics in food applications



Fluo

Based on the chlorophyll level present in produce defects are removed



X-RAY

Analysis of objects based on their density and shape



Detox

Removal of produce contaminated with aflatoxin









EXAMPLES OF CROSS UTILIZATION OF OUR SENSOR TECHNOLOGIES



TITECH NIR + ODENBERG platform

Field Potato Sorter

- The NIR technology allows efficient removal of rocks, dirt and rotten potatoes before the potatoes are stored
- The solution opens up sorting of unwashed potatoes in a way that previously was not possible



BEST LASER + TOMRA mining platform

PRO Laser Duo

- The LASER technology allows detection of quartz of all colors. This opens for sorting of quartz itself, and gold bearing quartz mineralization
- The solution is unique in the market and further underlines our technological leadership



TITECH NIR + BEST LASER

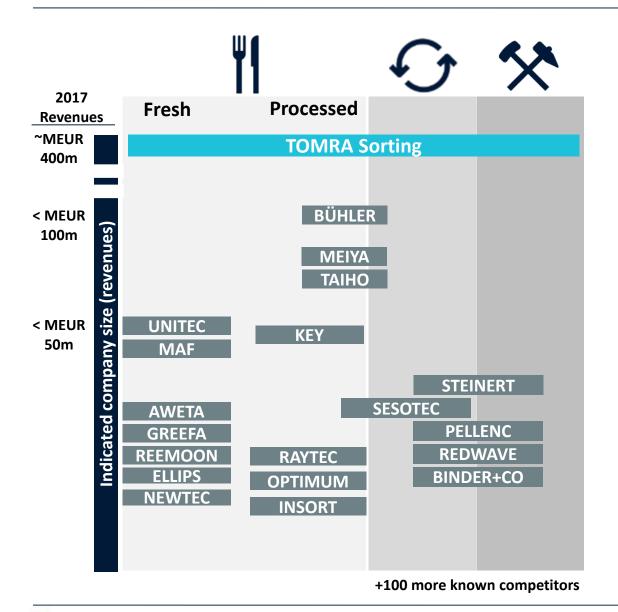
Nimbus BSI

- An NIR sensor has been added to the NIMBUS machine platform
- The new machine increases our competitiveness in the nuts segment

Several more projects on combining technologies into new products in the pipeline



THE BENEFITS OF BEING TOMRA SORTING



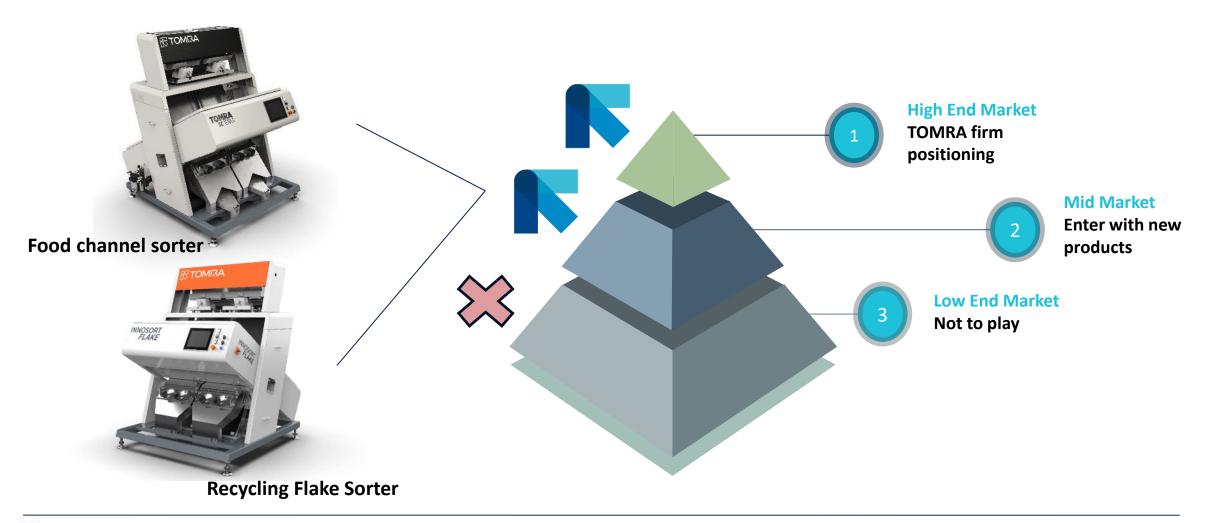
Our position: A solid platform for further growth





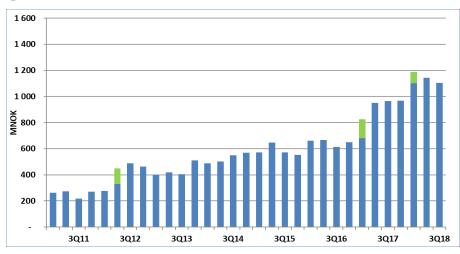
ENTERING NEW MARKETS THROUGH MID-MARKET STRATEGY

Creating competitive offering to fast growing mid-market

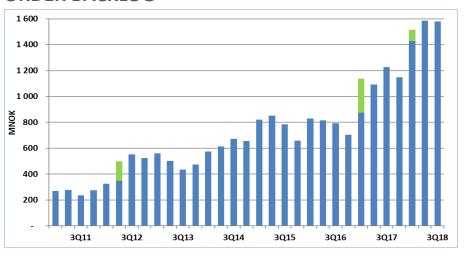


DEVELOPMENT IN ORDER INTAKE AND ORDER BACKLOG

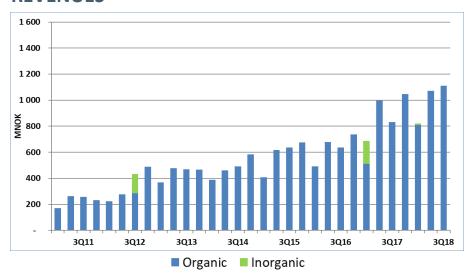
ORDER INTAKE



ORDER BACKLOG



REVENUES



- TOMRA Sorting Solutions (TSS):
 - Revenues of 1,112 MNOK, up from 831 MNOK last year
 - Order intake of 1,105 MNOK in the quarter, compared to 964 MNOK last year
 - Despite all time high revenues in the quarter, a strong order intake led to healthy order backlog of 1,579 MNOK by the end of third quarter
- Estimated backlog conversion ratio in 4Q18: 80%*



FOOD FOR THOUGHT

- By 2050 we will be close to 10bn people
- We will need more food in the next
 40 years than all the harvests in history combined
- But farmland is constant at best
- The food you eat will have travelled more than you have

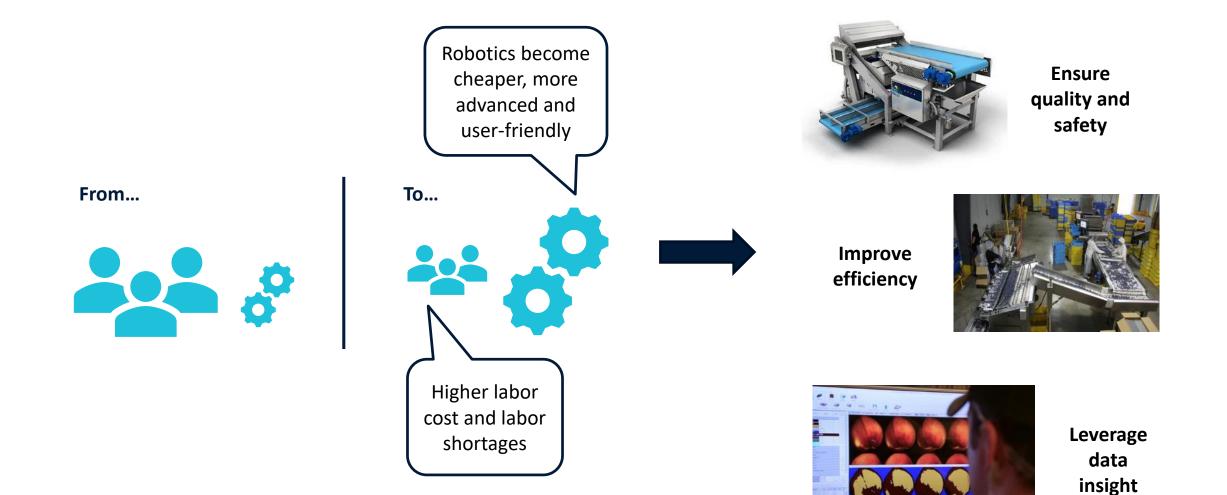




FOOD VALUE CHAIN IS GETTING MORE COMPLEX AND DRIVES THE FOOD MARKET TOWARDS NEW SOLUTIONS

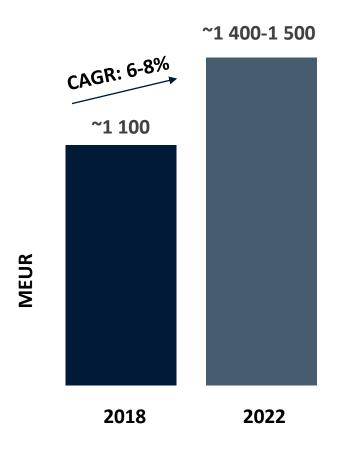


AUTOMATION CONTINUES ON A STRONG GROWTH TRAJECTORY





MARKET GROWTH EXPECTATIONS – FOOD

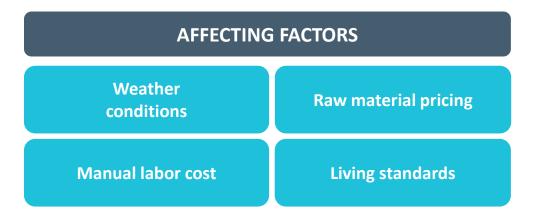


MARKET DEFINITION FOOD

Sensor-based sorting and grading equipment

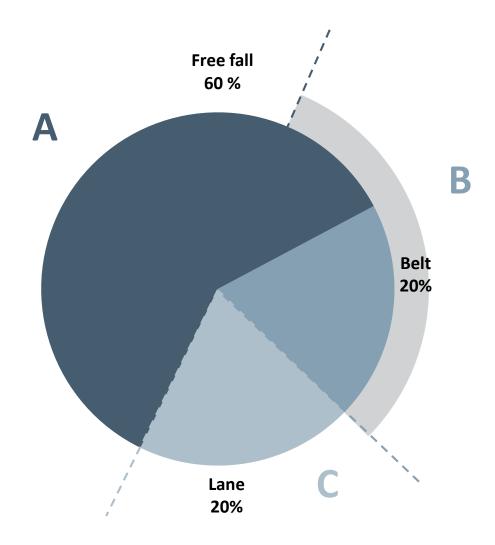
- Including color sorting
- Excluding peripheral equipment and turn-key solutions

Fresh and processed segment





THREE WAYS OF SORTING WITHIN THE FOOD SEGMENT



Free fall (Channel / Chute)			
Application	Seeds, rice, grains		
Companies	Buhler, Key, Best , Satake, Daewon, Hefei, Orange		
Sensor tech.	Camera (simple)		

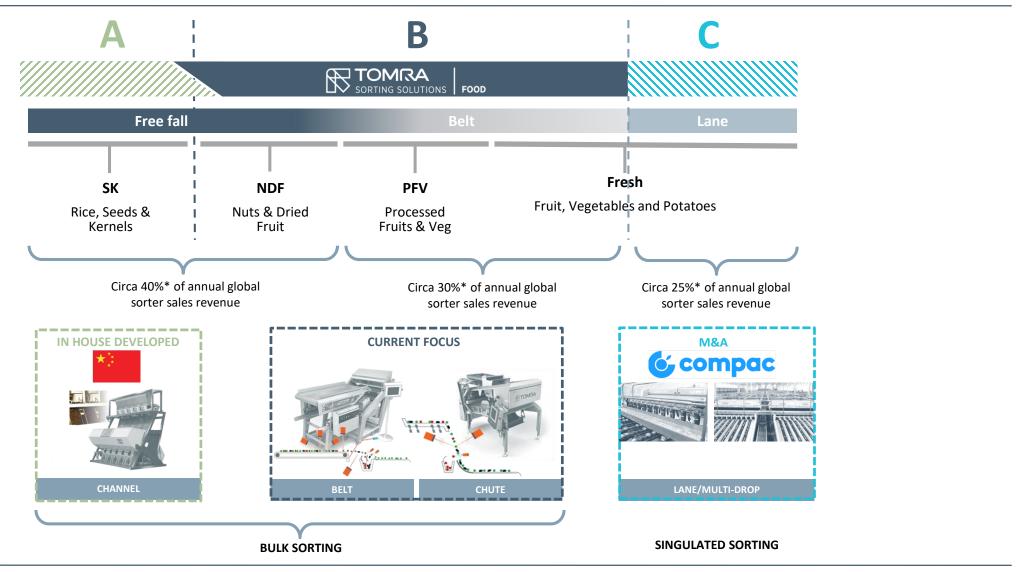
Belt	
Application	Prepared /preserved veg. and fruit
Companies	Best , Key, Odenberg , Raytec

Lane	
Application	Fresh produce
Companies	MAF, Aweta, Greefa, Compac
Sensor tech.	Several (medium)

Note: Piechart showing estimated total revenue within the food sorting segment

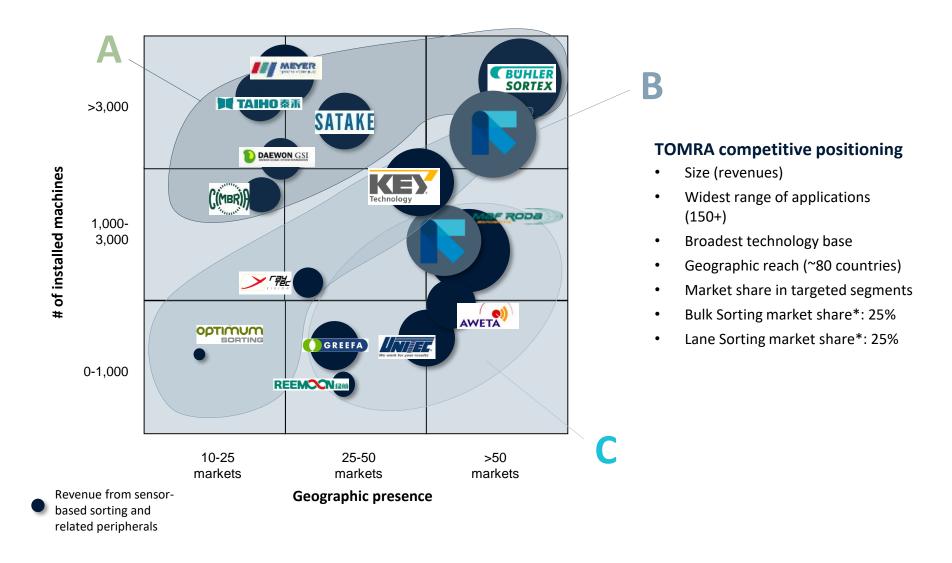


TOMRA HAS ESTABLISHED THE BROADEST FOOTPRINT WITHIN FOOD SORTING





FOOD COMPETITIVE LANDSCAPE



FOOD: APPLICATIONS AND SENSOR TECHNOLOGY

POTATOES



Chips, French fries, peeled, specialty products, sweet potatoes, unpeeled, washed

LASER, CAMERA, BSI, PULSED LED

VEGETABLES



Beans, beets, broccoli, carrots, corn, cucumbers, industrial spinach, IQF vegetables, jalapenos/peppers, onions, peas, pickles

LASER, CAMERA, BSI, PULSED LED

NUTS



Almonds, cashews, hazelnuts, macadamias, peanuts, pecans, pistachios, walnuts

LASER, CAMERA, X-RAY

DRIED FRUIT



Apricots, cranberries, dates, figs, prunes, raisins

LASER, CAMERA, BSI, X-RAY

SEEDS & GRAINS



Barley, coffee, corn, dry beans, lentils, oat, pulses, pumpkin, sunflower and watermelon seeds, wheat

LASER, CAMERA, BSI, X-RAY

FRUIT



Apples, blackberries, blueberries, cherries, cranberries, peaches & pears, raspberries, strawberries, tomatoes

LASER, CAMERA, BSI, PULSED LED

FRESH CUT



Baby leaves, iceberg lettuce, spinach, spring mix

LASER, CAMERA

SEAFOOD



Mussels, scallops, seaweed, shrimps, tuna, pet food

LASER, CAMERA, BSI, X-RAY, INTERACTANCE SPECTROSCOPY

MEAT



Bacon bits, beef, chicken breasts, hot dogs, IQF meat, pork, pork rind, sausages, pet food

LASER, CAMERA, BSI, INTERACTANCE SPECTROSCOPY

GUMMIES



LASER, CAMERA

TOBACCO



LASER, CAMERA



OUR FOOD SORTING CUSTOMERS



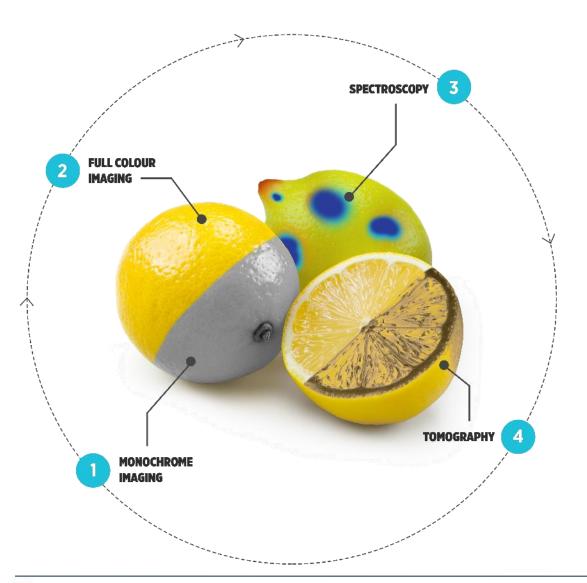








NEW SENSOR TECHNOLOGIES WILL UNLOCK NEW OPPORTUNITIES...



From measuring visual appearance...

... to measuring

Internal defects

Taste

Shelf life / Freshness

Food hazards

RESOURCES ARE FINITE

- Today: we are paying to get rid of our waste through landfill fees and incineration
- We are wasting perfectly good materials that can be reused
- Tomorrow: The Circular
 Economy is a driver for change
- Creating value out of waste
- That is what the Circular Economy is all about





THE CIRCULAR ECONOMY DRIVES A LEGISLATIVE PUSH...

Continued ambitious EU regulations and recycling targets: Attracts capital and drives investments



"A common EU target for recycling 70% of packaging waste by 2030"

The Strategy also highlights the need for specific measures, possibly a legislative instrument, to reduce the impact of single-use plastics, particularly in our seas and oceans

From Green Fence to National Sword: Short-term demand for recycling solutions in waste exporting countries



- Limits the import of contaminated recyclable commodities and increases inspections of recyclable commodity imports
- Purity level set to 99.5%



...PROMOTING RECYCLING



2018 CIRCULAR ECONOMY PACKAGE

Description

Targets and measures

Waste Framework Directive

• Rules on how waste should be managed in the EU. It provides general principles for doing so, such as the Waste Hierarchy, Polluter Pays Principle and Extended Producer Responsibility.

Packaging and Packaging Waste Directive

- Rules on the production, marketing, use, recycling and refilling of containers of liquids for human consumption and on the disposal of used containers
- 2015 revision includes lightweight plastic carrier bags

Waste Electrical and Electronic Equipment (WEEE) Directive

- Collection, recycling and recovery targets for all types of electrical goods
- 10 categories: Large household appliances, Small household appliances, IT and telco equipment, Consumer equipment, Lighting equipment, Electrical and electronic tools, Toys, Leisure and sports equipment, Medical devices, Monitoring and control instruments, Automatic dispensers

Landfill Directive

- The objective of the Directive is to prevent or reduce as far as possible negative effects on the environment from the landfilling of waste
- In particular: impact on surface water, groundwater, soil, air, and on human health by introducing stringent technical requirements for waste and landfills.

End of Life Vehicle (ELV) Directive

- Aims at reduction of waste arising from end-of-life vehicles
- The scope of the directive is limited to passenger cars and light commercial vehicles

• A common EU target for recycling 60% of municipal waste by 2030

- A common EU target for recycling 70% of packaging waste by 2030
- A binding landfill target to reduce landfill to maximum of 10% of municipal waste by 2030
- Separate collection of textiles and hazardous waste by 2025
- Simplified and improved definitions and harmonized calculation methods for recycling rates
- Concrete measures to promote reuse and stimulate industrial symbiosis
- Economic incentives for producers to put greener products on the market and support recovery and recycling schemes











...AND ALSO CREATES A MARKET PULL

100% reusable, recyclable or compostable plastic packaging by 2025

























Large companies committing to use recycled raw materials = increased demand for recycled offtake

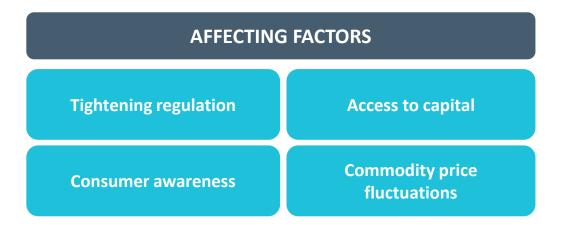


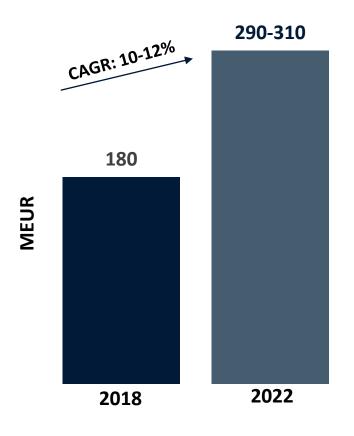
RECYCLING: MARKET GROWTH EXPECTATIONS

MARKET DEFINITION RECYLING

Sensor-based sorting equipment

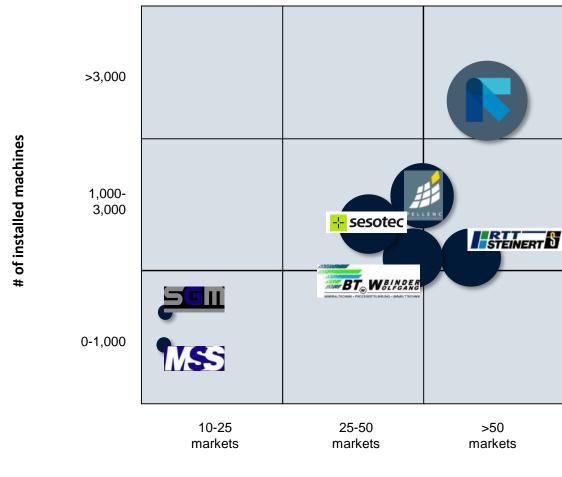
- Excluding cullet glass sorting
- Excluding peripheral equipment and turn-key solutions







RECYCLING: COMPETITIVE LANDSCAPE



TOMRA competitive positioning

- Largest installed base
- Highest revenues
- Broadest technology platform
- Highest number of applications and markets served
- Leading brand
- Market share: 55-65%

Revenue from sensorbased sorting

Geographic presence

RECYCLING: APPLICATIONS AND SENSOR TECHNOLOGY

MUNICIPAL SOLID WASTE



Hard plastics, plastic film, mixed paper, RDF, metals, organics/biomass

NIR, VIS, XRT, LASER

POST-SHREDDER



NF metal, stainless steel, copper cables, copper, brass, aluminum

NIR, VIS, XRT, XRF, EM, COLOR

PACKAGING



Plastics, plastic film, cardboard, mixed paper, deinking paper, metal

NIR, VIS, EM

UPGRADING PLASTICS



PET, PE, PP, flakes

NIR, VIS, EM

ELECTRONIC SCRAP



Printed circuit boards, non-ferrous metal concentrates, cables, copper, brass, stainless steel

XRT, XRF, EM, NIR, COLOR

PAPER





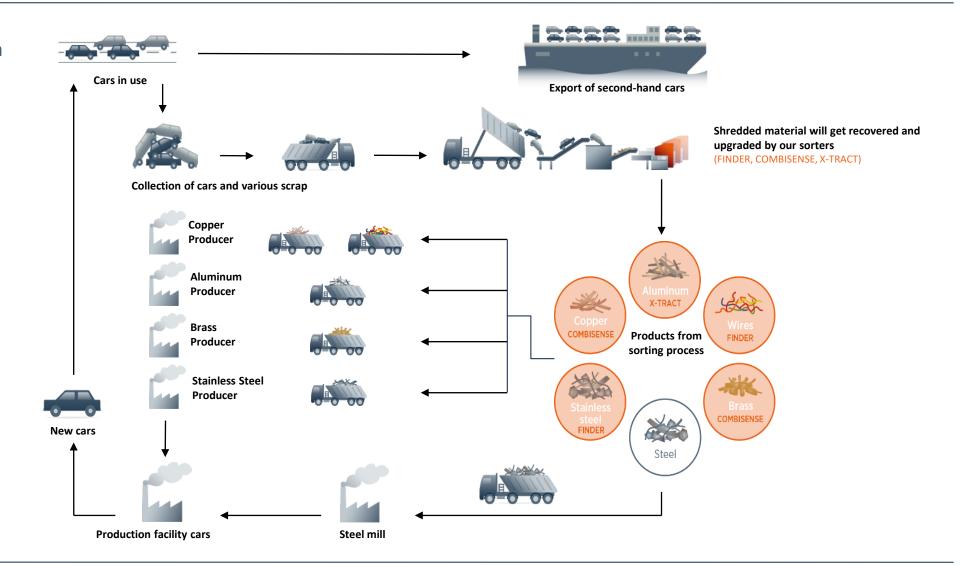
Deinking, cardboard, carton

NIR, VIS, EM



SENSOR-BASED TECHNOLOGY CREATES VALUE IN VARIOUS PARTS OF A RECYCLING PROCESS

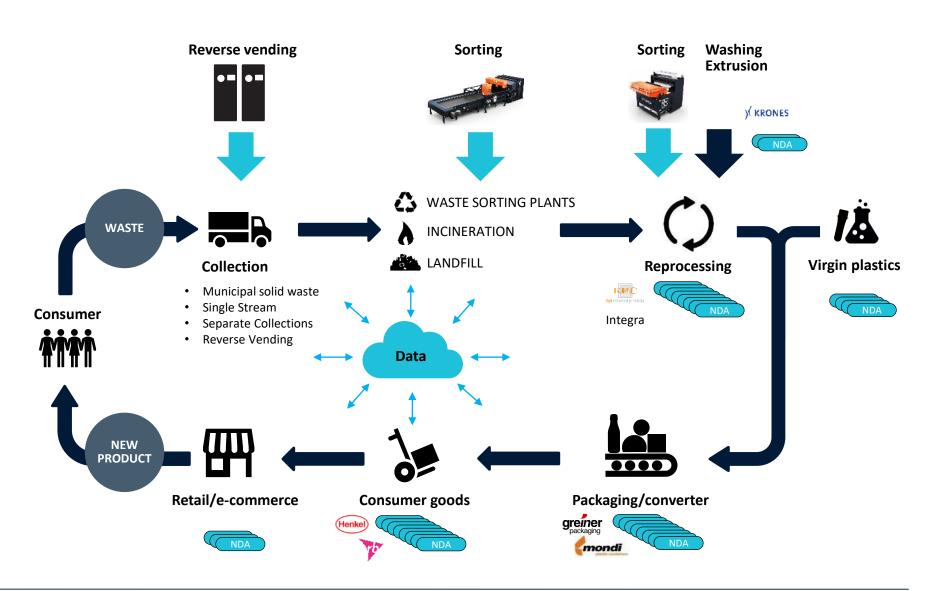
Life cycle of Steel from End-of-life vehicles



INDUSTRIALIZING THE PROCESS FOR RECYCLED PLASTIC

GOALS

- Create a demand for the plastic through a process
- Output to be of high quality in order to replace virgin material
- Extract plastics from all waste streams (incl. landfill and incineration) to satisfy demand
- Feasibility proven, working with multiple partners on commercialization





INTELLIGENT MINE

- Mining is an old industry. But chances are that it will it look very different in 10 years time
- Energy intensity and water stress are major drivers...
- ...for disruptive technology forces to reshape the industry
- Commodity prices and capex impact the investment sentiment

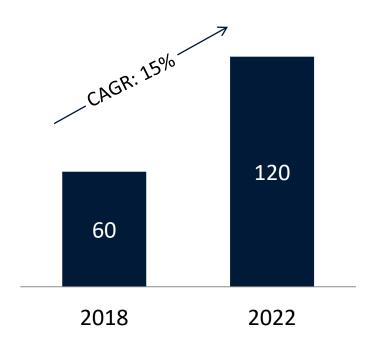




MINING: MARKET GROWTH EXPECTATIONS

Total annual market size

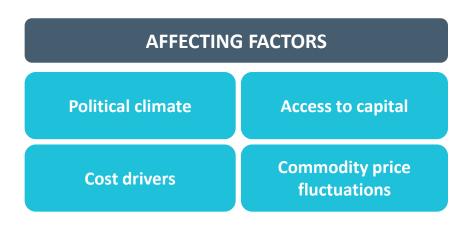
EUR million



MARKET DEFINITION MINING

Sensor-based sorting equipment

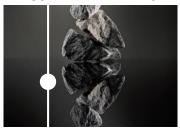
- is still a technology to be accepted
- Growth is conditional on new applications and technologies being developed





MINING: APPLICATIONS AND SENSOR TECHNOLOGY

INDUSTRIAL MINERALS



Calcite, quartz, feldspar, magnesite, talc, dolomite, limestone, rock salt, phosphates, potash

COLOR, XRT, NIR



Copper, zinc, gold, nickel, tungsten, silver, platinum group metals

XRT, COLOR, EM, NIR

DIAMONDS



Diamonds, emeralds, rubies, sapphires, tanzanite

COLOR, XRT, NIR

FUEL



Coal, oil shale

XRT

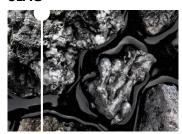
FERROUS METALS



Iron, manganese, chromite

XRT, EM, NIR

SLAG



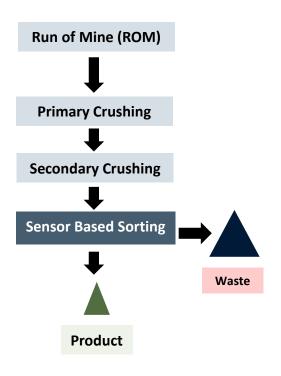
Stainless steel slag, carbon steel slag, ferro silica slag, ferro chrome slag, non- ferrous slag

XRT, EM



THE CONCEPT OF SENSOR-BASED SORTING IN MINING

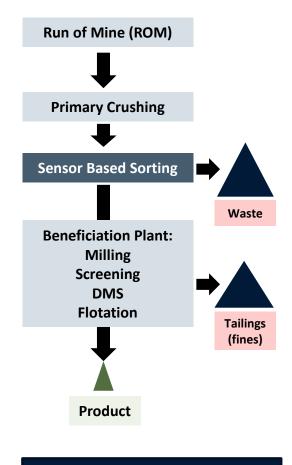
Mining process: Industrial minerals





- 15% to 50% of the ROM can be rejected in an early stage of the process (application dependent)
- These low grade waste rocks don't need to be transported, crushed, grinded or further treated

Mining process: Metal mining

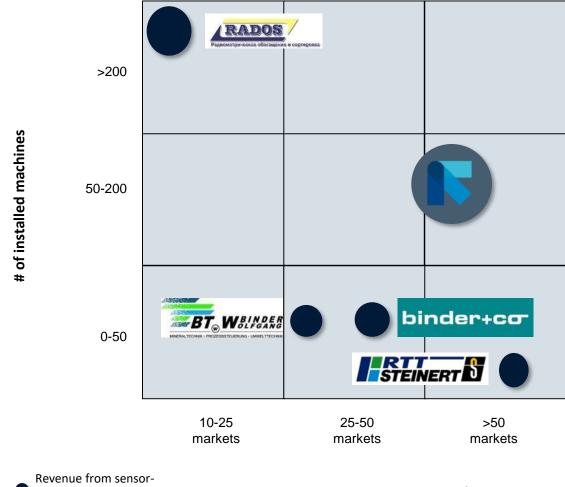


Potential new segment

Current segment



MINING: COMPETITIVE LANDSCAPE



TOMRA competitive positioning

- Wide geographical coverage
- Broadest technology platform
- Leading brand
- Market share: 40-50%

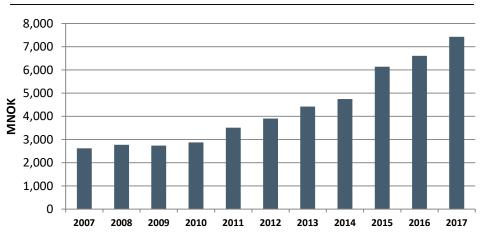
based sorting

Geographic presence

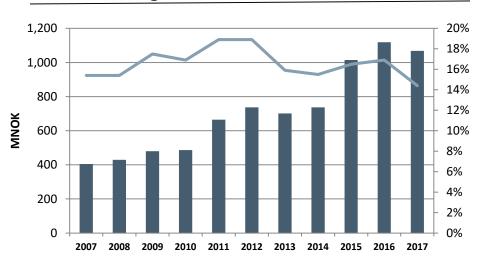


GROUP FINANCIALS DEVELOPMENT - SOLID TRACK RECORD

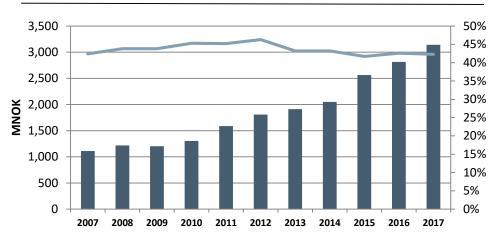
Revenues



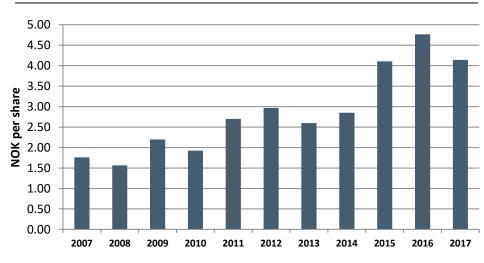
EBITA and margin



Gross Contribution and margin



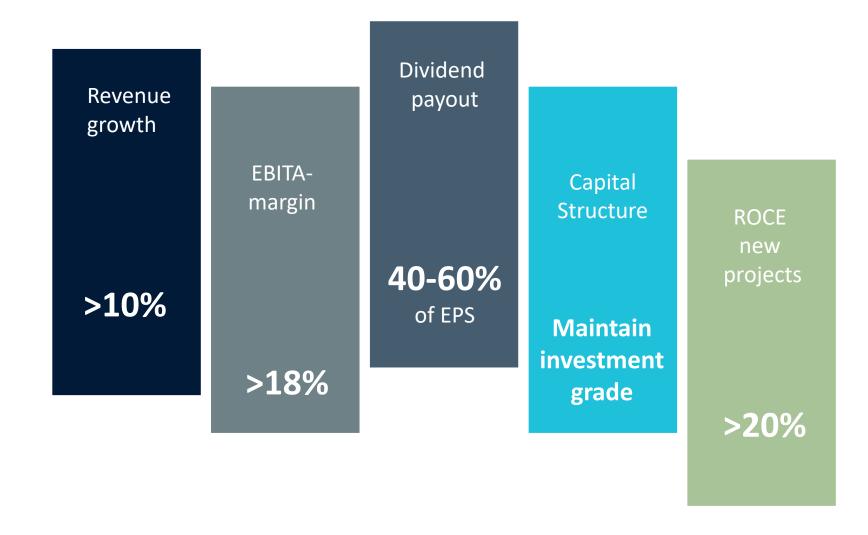
Earnings per share



EPS from continued operations, excluding other items

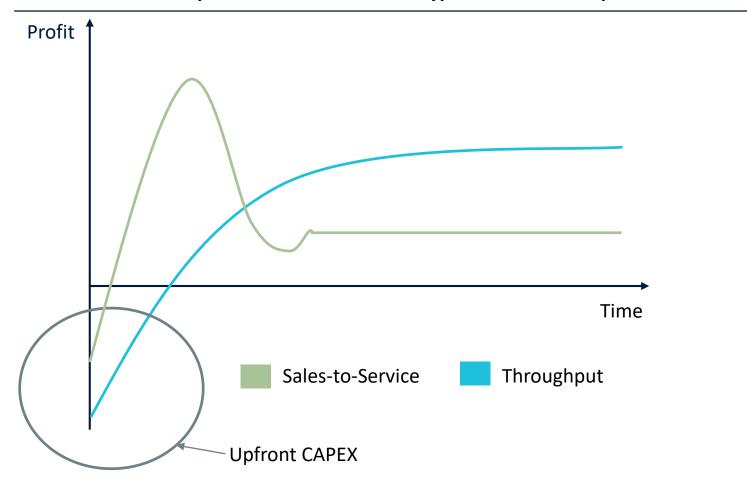


GROUP FINANCIAL TARGETS 2018-2023 – OUR AMBITIONS AFFIRMED



A COMMENT ON THE CAPITAL EXPENDITURE NEEDS

Illustrative revenue profiles for the two main type of container deposit schemes

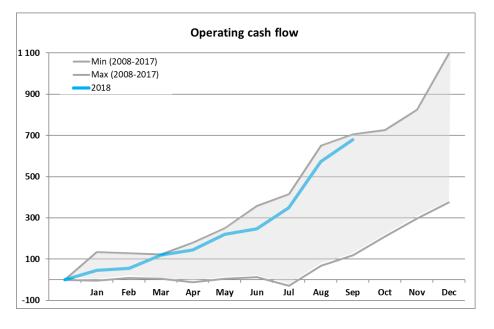


Uncertainties around timing and design of each new container deposit scheme can have significant impact on the revenue profile for Collection Solutions.



FINANCIAL HIGHLIGHTS BALANCE SHEET, CASH FLOW AND CAPITAL STRUCTURE

Amounts in NOK million	30 Sept 2018	30 Sept 2017	31 Dec 2017
ASSETS	9,117	8,214	8,437
Intangible non-current assets	3,653	3,314	3,412
Tangible non-current assets	1,129	848	998
 Financial non-current assets 	327	307	349
Inventory	1,400	1,204	1,197
• Receivables	2,322	2,067	1,887
 Cash and cash equivalents 	286	474	594
LIABILITIES AND EQUITY	9,117	8,214	8,437
• Equity	4,577	4,326	4,594
Minority interest	156	174	143
 Interest bearing liabilities 	1,487	1,214	1,280
 Non-interest bearing liabilities 	2,897	2,500	2,420



Ordinary cashflow from operations

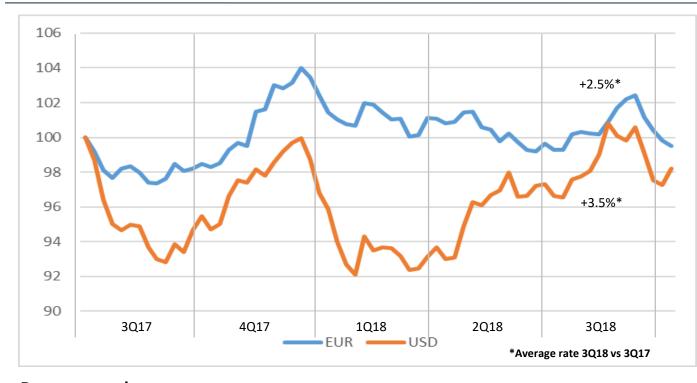
433 MNOK (375 MNOK in third quarter 2017)

Solidity

- 50% equity
- NIBD/EBITDA = 0.8x (Rolling 12 months)



CURRENCY RISK AND HEDGING POLICY



Overall limited currency effect, still:

TCS:
Positive impact
from both
stronger EUR
and USD vs NOK.

TSS:
Positive impact
by weaker NOK
and stronger
USD vs EUR.

NOTE: Rounded figures

10% change in NOK towards other currencies will impact:

	Revenues	Expenses	EBITA
EUR*	4.5%	4.0%	5.0%
USD	4.5%	3.0%	10.0%
NZD	0.0%	0.5%	-2.0%
OTHER	1.0%	2.0%	-1.0%
ALL	10.0%	9.5%	12.0%

^{*} EUR includes DKK

HEDGING POLICY

- TOMRA hedges B/S items that will have P/L impact on currency fluctuations
- TOMRA can hedge up to one year of future predicted cash flows.
 Gains and losses on these hedges are recorded in the finance line, not influencing EBITA

Revenues and expenses per currency:

	EUR*	USD	NOK	NZD	OTHER	TOTAL
Revenues	45 %	45 %	0 %	0 %	10 %	100 %
Expenses	40 %	30 %	5 %	5 %	20 %	100 %
EBITA	50 %	100 %	- 20 %	- 20 %	-10 %	100 %

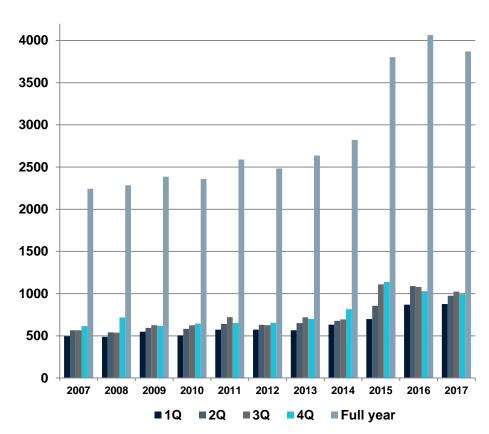
^{*} EUR includes DKK



COLLECTION SOLUTIONS – SEGMENT FINANCIALS

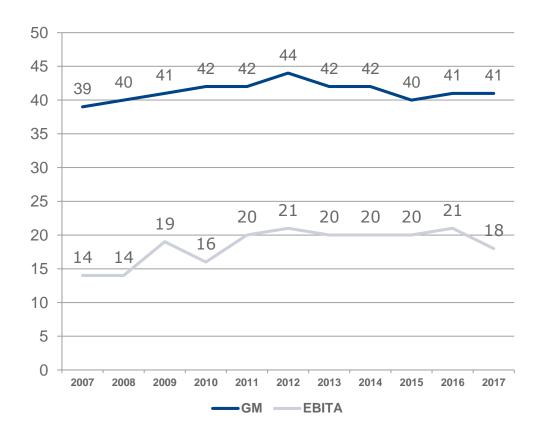
Revenue development

NOK million



Gross and EBITA margin development

Percent

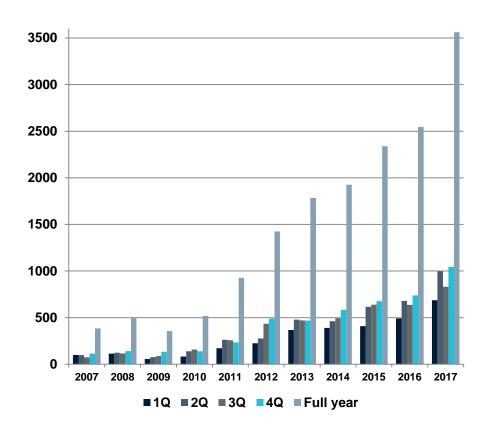




SORTING SOLUTIONS – SEGMENT FINANCIALS

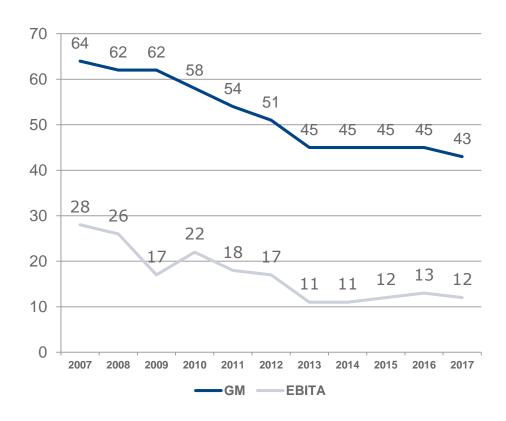
Revenue development

NOK million



Gross and EBITA margin development

Percent





SHAREHOLDER STRUCTURE

Top 10 shareholders as of 03 October 2018					
1	Investment AB Latour	39 000 000	26,3 %		
2	Folketrygdfondet	11 735 490	7,9 %		
3	The Bank of New York, Stichting Depositary	7 845 000	5,3 %	(NOM)	
4	Clearstream Banking	3 964 496	2.7 %	(NOM)	
5	Goldman Sachs & Co	3 563 326	2.4 %	(NOM)	
6	Lannebo Småbolag Skandinaviska Enskil	3 000 000	2.0 %		
7	Nordea Nordic Small	2 349 276	1.6 %		
8	Danske Invest Norske C/O Danske Capital	2 155 942	1.5 %		
9	ODIN Norge	1 855 736	1.3 %		
10	State Street Bank	1 807 641	1.2 %	(NOM)	
	Sum Top 10	77 276 907	52.2%		
	Other shareholders	70 743 171	47.8%		
	TOTAL (6,981 shareholders)	148 020 078	100.0%		

Shareholders by country

