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OUTLOOK



Circa is enabling the transition to lower carbon & sustainable production of advanced bio-based materials

The world demands change from toxic fossil-based chemicals to a better alternative - Circa is part of the answer.

- Circa converts waste biomass into a platform molecule that enables the production of high value bio-based chemicals. Our patented technology equips industries to innovate safer, more sustainable and better chemical products.
- We plan to grow our manufacturing capacity to 80,000 tonnes per year (tpa) by 2030, refining our technology and optimising our cost base and yield as we scale.
 - In parallel we develop markets for Cyrene™ a bio-solvent that often out-performs and is up to 80%
 less carbon intense than NMP and DMF, substances of very high concern identified by the
 European Chemicals Agency (ECHA).
 - Cyrene™ is a levoglucosenone (LGO) derivative, a platform molecule that has the potential for many more derivatives to be commercialised in high-margin applications, such as drug discovery and production of biopolymers.

Today we report on our Q3 progress building an industrial scale plant and developing markets for its novel products.



Q3 results overview

- Cashflow remains at expected levels
- Royalty agreement with University of York renegotiated
 - rates reduce from 4% to 1.5% for quantities up to 1,000 tpa and 2% to 0.75% over 1,000 tpa
- ReSolute cost increases advised to market 14 October 2021
 - finance options being worked on include re-allocation of capital resources, financial support from regional grants, supplier and export funding programs
 - new scope brings in new suppliers, increased yields and annual opex reduction opportunities (approx €2m)
- Further distribution agreement opportunities underway with distributors (OQEMA and DKSH)
- Textile opportunity underway with major Korean supplier to tier one brand
- Invitation to EU COP 26 panel on bioeconomy enabling climate transition
- Tone Leivestad commences as CFO
- Appointment of Philipp Morgenthaler as head of global manufacturing
- New product development team in place, led by Dr Marc Hein



Spend remains in line with expected quarterly run rate

Q321 Income statement

(EUR)

Q3 2021	Q2 2021	Q3 2020	YTD 2021	YTD 2020
2 202	44.005	50.704	40 457	70.405
•	•		•	70,195
•	•		•	1,660,707
5,016	42,884	1,221,428	53,300	1,730,902
73,039	75,014	41,947	211,408	222,010
604,259	601,844	133,725	2,849,973	411,494
709,392	802,622	662,845	3,047,657	3,962,130
1,386,690	1,479,480	838,517	6,109,039	4,595,635
-1,381,674	-1,436,596	382,911	-6,055,739	-2,864,733
-208,322	-114,954	-29,211	-530,093	-33,917
-1,589,996	-1,551,550	353,700	-6,585,831	-2,898,650
-1,589,996	-1,551,550	353,700	-6,585,831	-2,898,650
15,997	22,707		17,193	
-1,573,999	-1,528,843	353,700	-6,568,639	-2,898,650
	3,288 1,728 5,016 73,039 604,259 709,392 1,386,690 -1,381,674 -208,322 -1,589,996	3,288 11,835 1,728 31,049 5,016 42,884 73,039 75,014 604,259 601,844 709,392 802,622 1,386,690 1,479,480 -1,381,674 -1,436,596 -208,322 -114,954 -1,589,996 -1,551,550 15,997 22,707	3,288 11,835 52,734 1,728 31,049 1,168,694 5,016 42,884 1,221,428 73,039 75,014 41,947 604,259 601,844 133,725 709,392 802,622 662,845 1,386,690 1,479,480 838,517 -1,381,674 -1,436,596 382,911 -208,322 -114,954 -29,211 -1,589,996 -1,551,550 353,700	3,288 11,835 52,734 16,457 1,728 31,049 1,168,694 36,843 5,016 42,884 1,221,428 53,300 73,039 75,014 41,947 211,408 604,259 601,844 133,725 2,849,973 709,392 802,622 662,845 3,047,657 1,386,690 1,479,480 838,517 6,109,039 -1,381,674 -1,436,596 382,911 -6,055,739 -208,322 -114,954 -29,211 -530,093 -1,589,996 -1,551,550 353,700 -6,585,831 15,997 22,707 17,193

- FC5 continues to provide product for Cyrene sales and trial product to customers
- Q321 employee and other operational expenses continue to be in line with the quarterly run rate
- Financial expense is mainly related to unrealized FX (NOK account in Circa Group AS) and negative interests related to the EUR account



And focus on cash remains critical

Q321 Assets

(EUR)	30.09.2021	30.06.2021	31.12.2020	30.09.2020
ASSETS				
Tangible assets	874 964	571 281	53 196	2 361
Total non-current assets	874 964	571 281	53 196	2 361
Inventory	44 306	33 748	49 899	37 156
Short term receivables	262 578	408 500	1 708 519	77 601
Cash and cash equivalent	46 849 307	49 717 972	4 724 408	243 975
Total current assets	47 156 191	50 160 220	6 482 826	358 732
Total assets	48 031 155	50 731 501	6 536 022	361 094

- ReSolute[™] capex is EUR 565k gross in Q321. Total capex is offset by the BBI contribution of EUR 261k.
- Decrease in short term receivables, reduction is mainly due to retroactive VAT included in Q2 after Circa Group AS has been registered for VAT.
- Cash in Q3 used on:
 - Operation activities EUR 2.3 millions, related to operations in the quarter, as well as payments for STI and Wood where expenses are included in previous periods.
 - ReSolute payments EUR 565k



Circa remains well-funded

Q321 Equity and liability

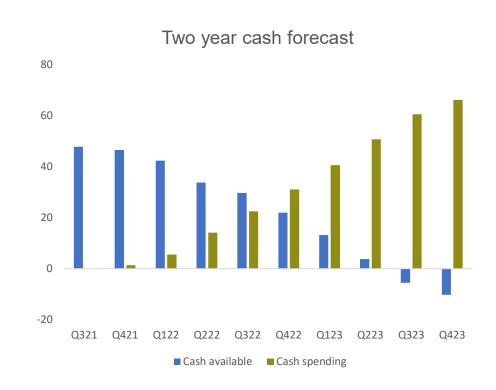
(EUR)	30.09.2021	30.06.2021	31.12.2020	30.09.2020
EQUITY				
Issued and paid in equity Other equity Non-controlling interests	54 013 611 -11 695 589	56 808 253 -12 882 966	7 335 180 -7 685 095	7 141 563 -8 235 540
Total equity	42 318 023	43 925 288	-349 915	-1 093 977
LIABILITIES				
Employee benefits	639 647	550 482	0	0
Other non-current liabilities	0	0	562 590	0
Total non-current liabilities	639 647	<i>550 482</i>	562 590	0
Employees and related	646 830	989 966	32 408	10 373
Borrowings	0	0	0	0
Trade and other payables	248 019	803 112	179 363	430 071
Public duties and related	40 334	47 754	0	0
Other current liabilities	4 138 303	4 414 900	6 111 576	1 014 626
Total current liabilities	5 073 486	6 255 732	6 323 347	1 455 071
Total liabilies	5 713 133	6 806 213	6 885 937	1 455 071
Total equity and liabilies	48 031 155	50 731 501	6 536 022	361 094

- Total Equity is EUR 42.3 mill as of Q321
- Decrease in Trade payables is mainly due to payment to Wood (EUR 400k)
- Decrease in Employee and related is mainly due to short term incentives (STI) related to the IPO that are paid out in Q3 (EUR 326k)
- Decrease in Other current liabilities are mainly due to utilization of the Horizon 2020-grant of EUR 261k in Q321



Activities following capex announcement Oct 14th are building confidence in the estimate - and opportunities for non dilutionary financing

- Activities to reduce capex as well as various financing options is building confidence. The work is ongoing, and with a conservative approach, the cash forecast is presently unchanged from the announcement at October 14th.
- Circa Group's available cash balance as per Q321 is approximately €47m
- Available cash balance in the two year period includes outgoing cash balance as per Q321, BBI grant of €5m (55 %) and an assumption of €3m in other grants, which is considered conservative (current commitments approx €1.35m)
- Cash spending on ReSolute plant is given as a range from €50-55m based on the most recent estimates. The graph is based on the highest figure.
- Circa has a well funded and long financial runway. The company is working with various financing options, such as exploring grants and vendor financing opportunities, and will update the forecast as soon as they are confirmed.

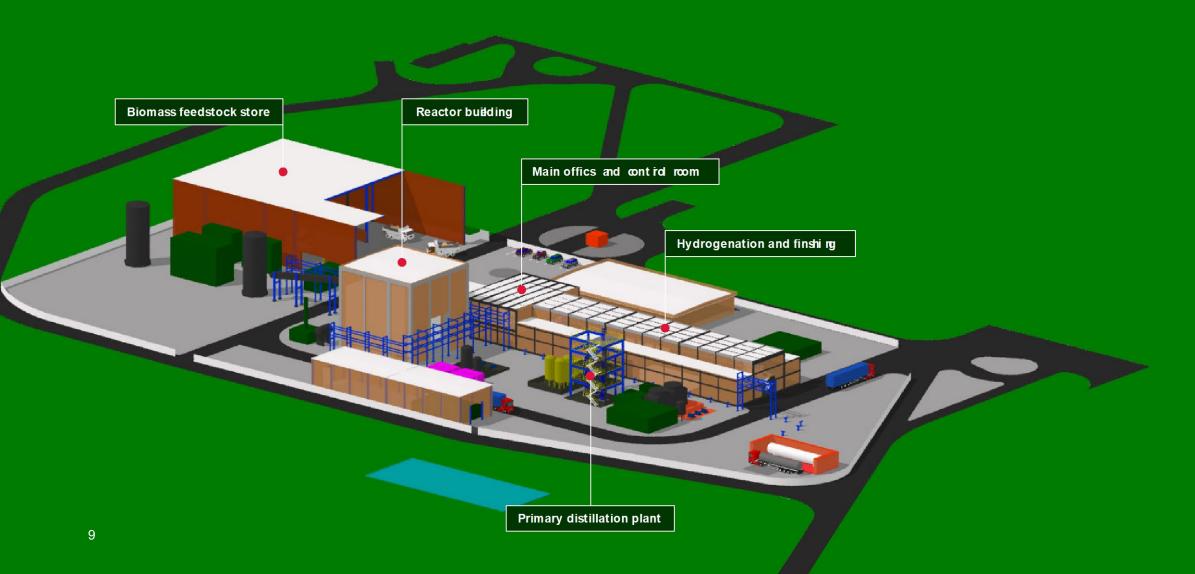


Based on preliminary phasing of ReSolute cash spending. Final phasing after value engineering may impact the timing of cash flows



ReSolute plant progresses, with increasing support from local communities and governments





ReSolute timetable and capex expectations remain as advised in October

- Significant savings opportunities being studied / negotiated include:
 - On site conversion of char to energy (>€2m opex/year).
 - Internalise waste water treatment (€1m capex savings)
 - Increase in capacity based on improvements in FC5 operations: approx 20%.
- Working with LUKE on sustainable pre-reactor fractionation.
 - Not anticipated for start-up, but upside is ~25-30% capacity uplift.
- Ongoing optimisation work is lowering capex risk for FC6 (10 000+ tonnes) large scale plant.



Product and market development

- Engagement with Merck continues, discussions extended to levoglucosenone derivatives
- Momentum building in the development of new commercial relationships to distribute Cyrene™:
 - OQEMA for UK and Euro market opportunities.
 - DKSH in Australian and Asian agrochemical markets.
- Chinese research published using Cyrene™ to remove CO₂ and convert into value-added chemicals.
- Recent Shell patent on Cyrene™ use in distillation processes to replace high-C product.
- Strong visibility at key events:
 - October 6: Spoke on Cyrene™ as a replacement for substances of very high concern at ECHA Safer Chemicals conference.
 - October 20: Participated in COP 26 panel following invitation from EU Deputy DG Climate.
 "The Role of Life Sciences in Delivering Climate Neutrality" alongside BASF and Tetra Pak.



LGO Derivatives: Focused on 4 target markets



HEALTH SCIENCE & PHARMACEUTICALS

- \$140 B (CAGR of 5.1%)
- Targeting derivatives that are well aligned with known intermediates used in API and genomics applications



AGRICHEMICALS - INTEGRATED PEST MANAGEMENT

- \$2.6 B (16% CAGR)
- Focus on sustainable production of unique and difficult to obtain molecules which are well suited and prevalent in the application



FLAVORS & FRAGRANCES

- \$8.9 B for Dairy (CAGR 3.9%) and Convenience Foods (CAGR 5.5%)
- Development of useful precursors and targeted end-use products



BIO-POLYMERS

- \$26.1 B (CAGR 7.3%)
- Investigating the synthesis of unique bio-based monomers for use in the production of novel polyester and polyacrylate polymer systems

- Grow LGO platform in niche applications that are high value and high growth
- Provide unique solutions that offer value through:
 - √ Sustainability
 - ✓ Simplified synthetic pathways
 - ✓ Scalability
 - ✓ Secure Supply



We are leveraging robust scientific evidence to progress the use of LGO and its derivatives:



Merck MSD used an LGO derivative to synthesize MK1026, currently in Phase II trial for treatment of lymphoma.

Research partner showing positive in-vivo results using an LGO derivative for the potential treatment of breast cancer.

Provider of wound care applications evaluating 2-deoxy-D-ribose synthesized from LGO.

FLAVORS, FRAGRANCES & AGRICHEMICALS

Range of lactone structures are known and readily accessible from LGO.

Project to scale up the production of dairy lactone from LGO.

Working with a partner in the synthesis of pheromones from LGO for use in pest management applications.

BIO-POLYMER APPLICATIONS

EU CHAMPION project: Circa providing LGO derived monomers to create sustainable bio-based polymer.

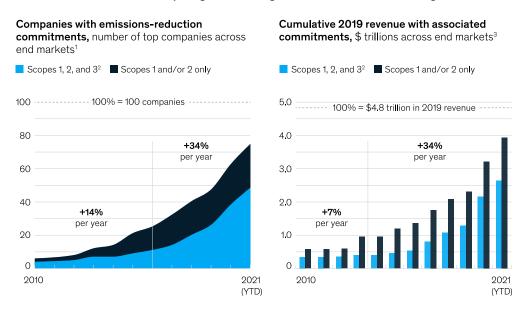
Active discussions with a leading paint and coatings brand to produce LGO based monomers for use in products.

Our objective is to demonstrate commercially viable production capability at scale quickly, leading to meaningful commercial engagements in each of our target areas



Accelerating corporate climate commitments puts \$2.6 trillion of chemical revenue under scrutiny

Commitments to reduce Scope 3 greenhouse-gas emissions are accelerating.



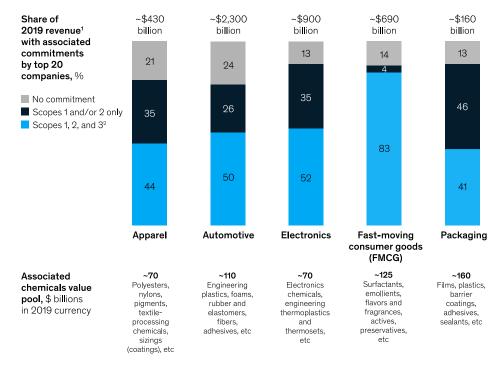
Top 20 companies by 2019 global revenue in each of five end markets: apparel, automotive, electronics, fast-moving consumer goods (food, home, and personal care), and packaging.

Scope 1 covers direct emissions from owned or controlled sources, including emissions from the combustion of fuel and vehicles. Scope 2 covers indirect emissions from the generation of purchased electricity, steam, heating, and cooling, Scope 3 emissions are not directly owned by the company but cover all other indirect emissions that occur in a company's value chain.

3Sum of 2019 revenue associated with top 20 companies across end markets.

Source: Environmental, Social, and Governance (ESG) by McKinsey; Sustainability Insights by McKinsey; McKinsey analysis

Approximately \$500 billion of spending on chemicals and materials is under scrutiny.



Note. Figures may not sum to 100%, because of rounding

'Sum of 2019 revenue generated by top 20 companies in each end market: apparel, automotive, electronics, fast-moving consumer goods (top 20 companies across food, home, and personal care sectors), and packaging.

Scope 1 covers direct emissions from owned or controlled sources, including emissions from the combustion of fuel and vehicles, Scope 2 covers indirect emissions from the generation of purchased electricity, steam, heating, and cooling. Scope 3 emissions are not directly owned by the company but cover all other indirect emissions that occur in a company's value chain.

Source: Environmental, Social, and Governance (ESG) by McKinsey: Sustainability Insights by McKinsey: McKinsey analysis





McKinsey

& Company

2030 targets are driving industry transition, and Circa is scaling low-carbon alternatives for this technology cycle

TRANSITION TO A LOW CARBON ECONOMY

Drivers

- COP26 has drawn attention to the hard to abate sectors, including chemicals
- A few systemically important carbon emitters account for the bulk of emissions
- What was seen as a burden is increasingly being framed as a way for boards to manage risk, and a market opportunity for those that have the foresight to act

Industry in transition

- Accountability for interim targets towards net zero addressing every scope
- Fossil solvent customers demand an alternative
- BASF sets net zero targets in March 2021
- Royal Dutch Shell, under pressure to increase emissions reductions, departs the Netherlands
- Industry bodies withhold support for new entrants

SUSTAINABLE ALTERNATIVES IN DEMAND

Market development

- Target markets with strong sustainability drivers and in applications where Cyrene[™] has out-performed NMP and DMF
- Interest from textiles in PU leather manufacture
- Graphene applications
 highlight Cyrene™ as
 solvent of choice
- Shell patent demonstrates
 Cyrene™ performance in
 petroleum distillation
 application

Demand for Cyrene™

- Tier 1 textile engagement underway and engagement with major Korean supplier
- Ongoing interest from major industrial conglomerates to understand Cyrene™ and volume availability
- Momentum building in the development commercial relationships to distribute Cyrene™ OQEMA and DKSH

SUSTAINABILITY





Circa Group AS

Sjølyst plass 2 0278 Oslo Norway

Contact

CEO – Tony Duncan

Tony.Duncan@circagroup.com.au

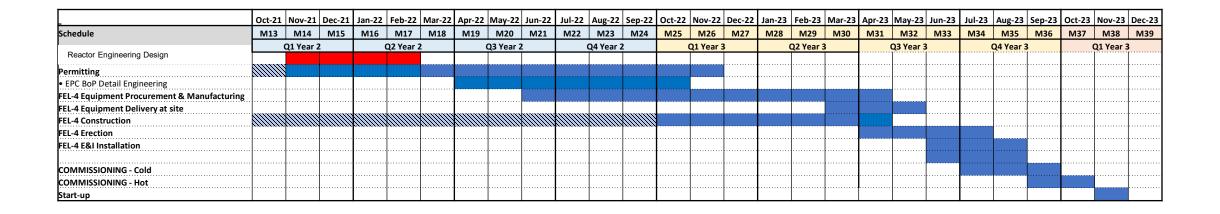
CFO – Tone Leivestad

Tone.Leivestad@circa-group.com

This presentation contains statements regarding the future in connection with Circa Group's growth initiatives, profit figures, outlook, strategies and objectives. All statements regarding the future are subject to inherent risks and uncertainties, and many factors can lead to actual profits and developments deviating substantially from what has been expressed or implied in such statements.

Let's GO

ReSolute start-up timetable remains as advised in October





Circa converts waste biomass to high-value biochemicals



Patented production process

Standard processing

Distribution













Waste biomass is

the world's most abundant renewable natural bio resource

FuraceIITM is Circa's patented production process which enables large scale production of LGO

LGO is a platform biochemical enabling the production of a range of high value biochemicals

Large LGO-based biochemicals portfolio of which CyreneTM has progressed the most commercially to date

Global chemicals distributors purchasing and re-selling Circa's biochemicals (Circa also engaged in direct sales) towards a wide range of applications



Biocoal is a valuable by-product from the production process and will be used for industry and heating, offtake for 100% of biocoal volumes

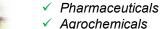












- Electronics
- ✓ Batteries
- Graphene
- ✓ Paints
- Coatings
- ✓ Flavours
- Fragrance
- ✓ Polymers

