



2019 - 2023 Strategic Plan Summary



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2019-2023 Targets







GROWTH: ALMOST DOUBLE EBITDA1

Almost doubles the Group's EBITDA at constant prices¹ and reduces its cyclicality with a minimum base of €150 Mn from the Renewable Energy business.



DIVERSIFICATION

To capture growth opportunities and increase business resilience.



STEPWISE INVESTMENT PLAN

Stepwise investments up to €625 Mn - €725 Mn in the Pulp business & €615 Mn in the Renewable Energy business. Each investment decision will be confirmed by the Board to ensure low leverage and 50% pay-out.



EXCELLENCE IN SUSTAINABILITY

Reinforce the reliability, environmental excellence and safety of our facilities.



LOW LEVERAGE & 50% PAY-OUT

Maintain our shareholder remuneration policy while keeping a Net Debt/EBITDA ratio below 2.5x in the Pulp business & 4.5x in the Renewable Energy business.

1. At constant BHKP prices of 1,050 \$/t and 1.20 \$/€ exchange rate

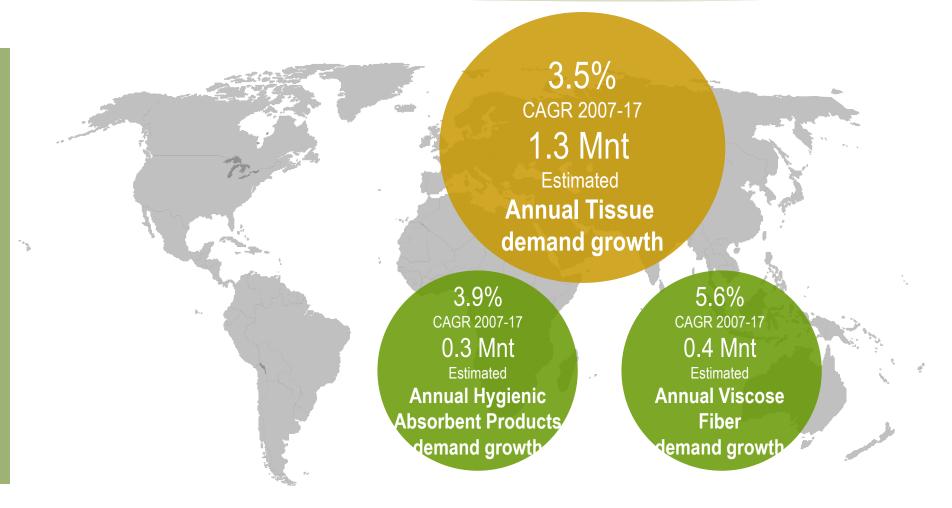




Continued global demand growth for wood pulp Driven by increasing living standards in emerging countries



Urban population growth and increasing living standards in emerging countries are driving continued demand growth for hygienic and viscose pulp based products



Source: RISI, ENCE



Lack of large capacity increases for the coming years

Lead time for new projects close to 3 years

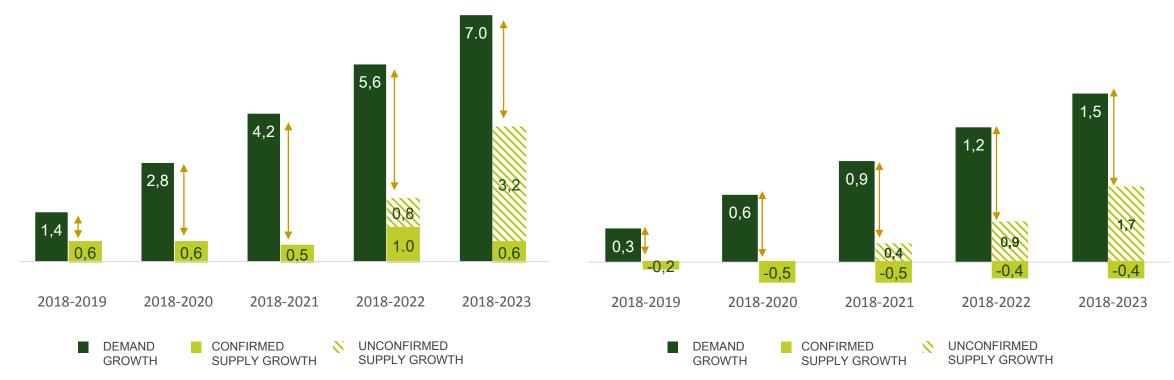


Expected Annual Increase for Global Market

Hardwood Supply and Demand ¹

Mn t

Expected Annual Increase for Global Market Softwood Supply and Demand ¹ Mn t



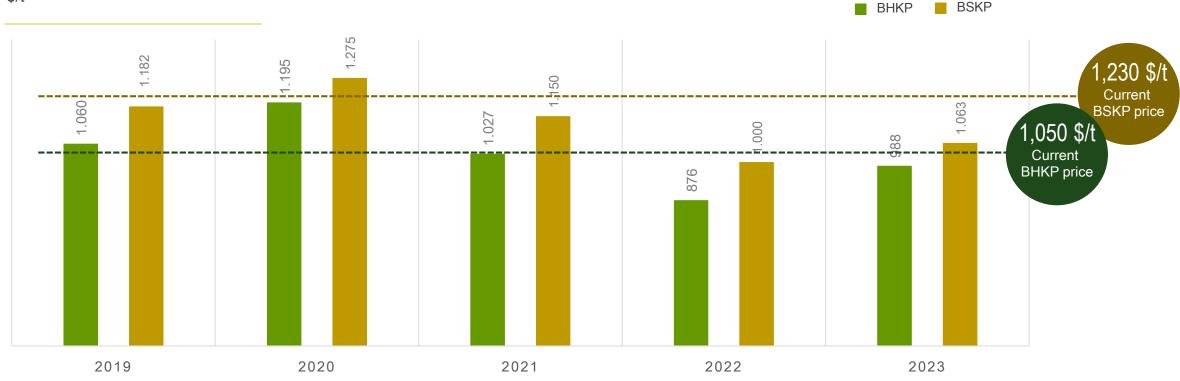
Source: ENCE estimates

^{1.} Estimates correspond to the expected increase in supply and demand of market pulp for paper production. It excludes therefore the production of integrated pulp and other pulp grades such as Dissolving Pulp or Fluff





RISI's Estimates for European Annual Average BHKP and BSKP prices \$/t



We have used a constant pulp price of 1,050 \$/t and a constant exchange rate of 1.20 \$/€ for our Strategic Plan forecasts



Ence's competitive advantages In the pulp business





Access to eucalyptus plantations around our pulp biofactories

They also have access to pine

Eucalyptus only grows under very specific climatic conditions





Eucalyptus Pulp is cheaper to produce than softwood Pulp

80% of Softwood products càn be produced with Hardwood pulp

Technical team dedicated to pulp usage transformation



High quality pulp and differentiated offering

Totally chlorine free

7 de-commoditized products, not easy to replicate with commodity pulp



Privileged access to the European market

Just in time service (5-7 days delivery vs. 40 days for Latam deliveries)

Lower logistics costs



High client diversification

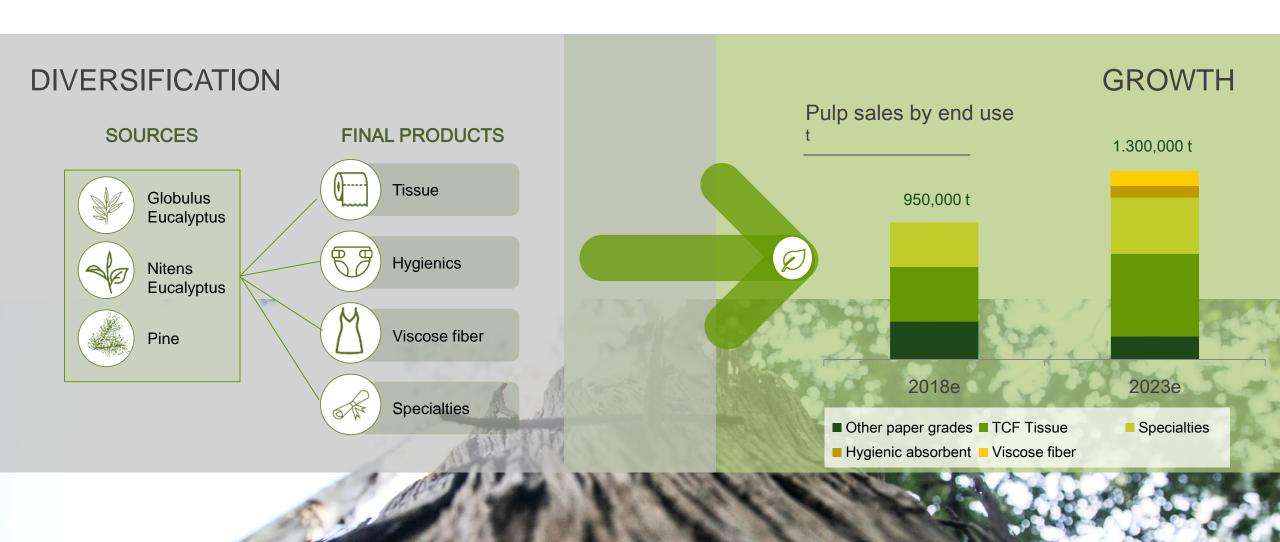
Sales force capillarity >100 customers

Top customer service



To capture growth opportunities and increase business resiliency



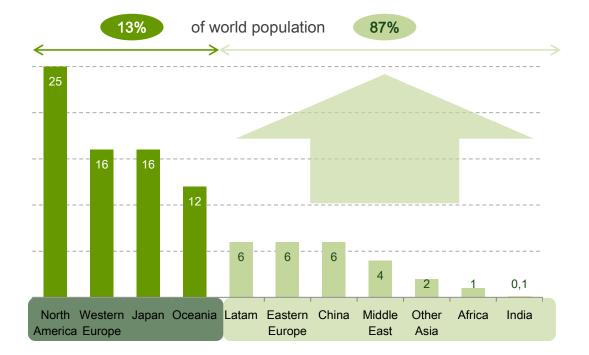




>50% of Ence's pulp sales are in the growing tissue market Driven by increasing living standards in emerging countries







BHKP annual consumption growth '000 t





Source: RISI Source: PPPC



Growing opportunities to diversify into new products...

Supported by the same long-term dynamics



Hygienic products annual consumption '000 t

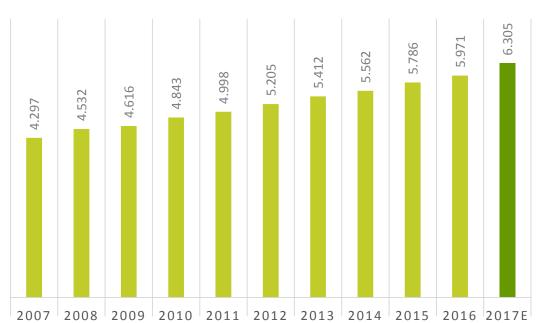


Viscose fiber annual consumption '000 t

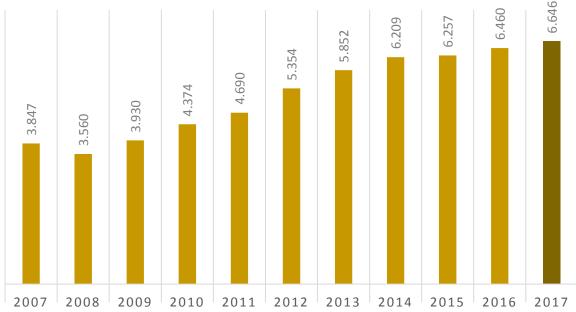










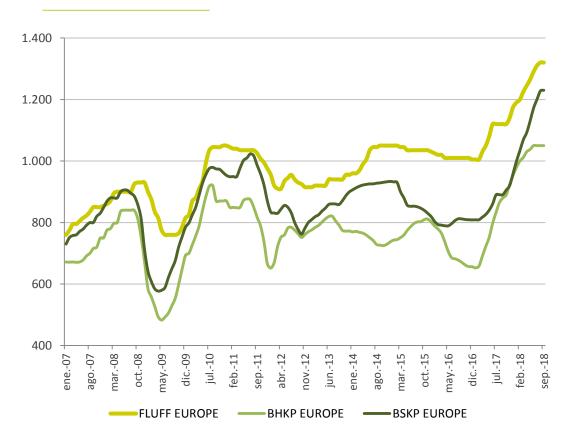


Source: RISI Source: Hawkins Wright

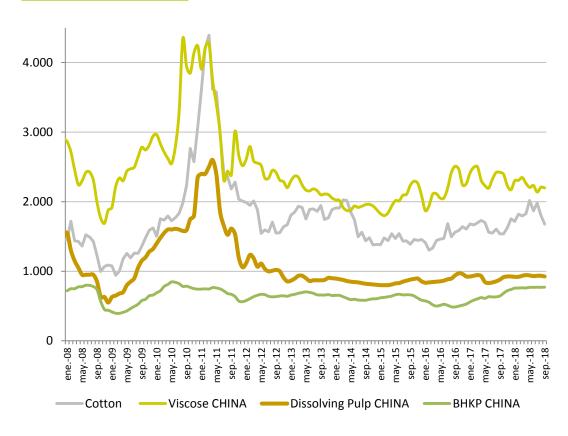
...with better prices linked to softwood pulp and cotton prices Where Ence has cost advantages



Fluff, Softwood and Hardwood pulp prices In Europe (\$/t)



Cotton, viscose, dissolving pulp and Hardwood pulp prices In China (\$/t)



Source: RISI

Source: Hawkins Wright



Stepwise investment plan up to €625 - 725 Mn To increase EBITDA by €150 Mn up to €400 Mn at constant pulp prices



Stepwise implementation of a total of €625 Mn to €725 Mn investments



€30 Mn 20,000 t expansion in Pontevedra



€75 Mn Complete 80,000 t expansion in Navia



€30 Mn 80,000 t adaptation for hygienic absorbent products



€200 Mn 100,000 t diversification to viscose fiber



€165 Mn 100,000 t expansion



€65 - 115 Mn
Strengthen reliability,
flexibility,
environmental
excellence and
safety in Navia



€60 - 110 Mn
Strengthen reliability,
flexibility,
environmental
excellence and safety
in Pontevedra

Estimated start up dates:

March 2019

May 2019

2020

2021

2022

2019-23

2019-23



Each investment decision will be confirmed by the Board to ensure Net Debt / EBITDA < 2.5x after 50% Pay-Out Dividend

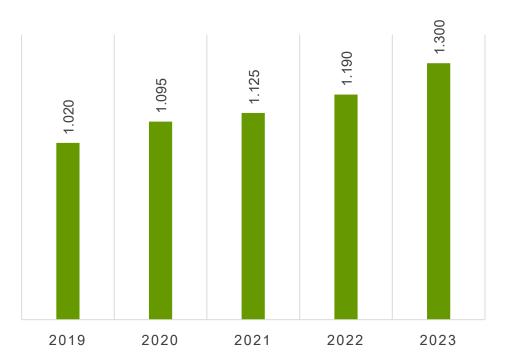


2023 operating targets

1.3 Mn T pulp sales with a cash cost of 350 €/t (BHKP)

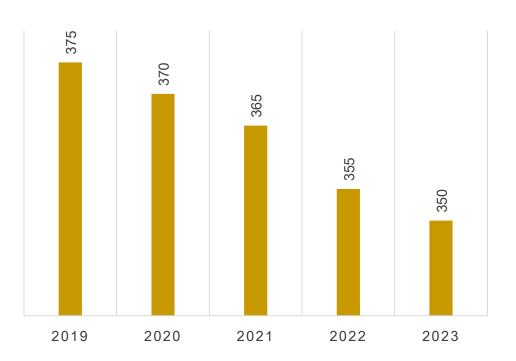


Gradual growth of pulp sales '000 t



Fixed costs dilution due to sales volume growth will improve the cash cost

Gradual reduction of the cash cost (BHKP) €/t



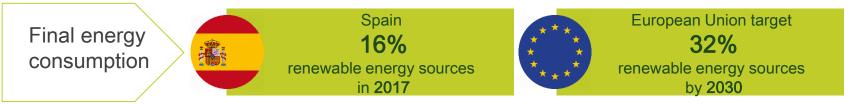
New products will have higher sale prices and margins, although a higher cash cost



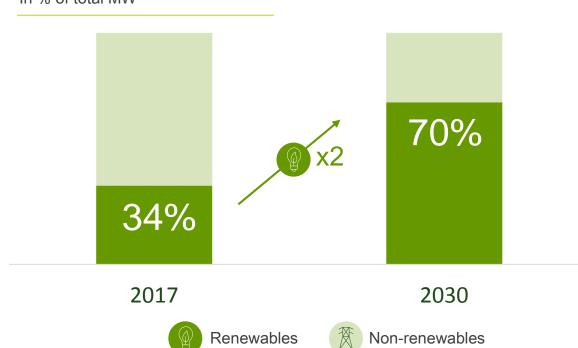


Spain should double its primary renewable output up to 70% by 2030 In order to comply with the 32% EU target for final energy consumption

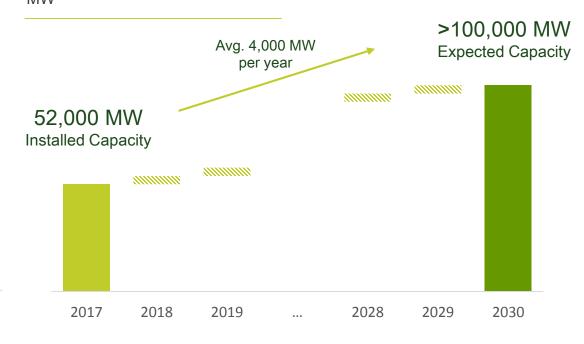




By 2030, Spain should double its primary renewable energy output In % of total MW



Expected renewable energy capacity evolution MW





Competitive advantages of Biomass Energy







Biomass energy is fully manageable, compared to other renewables, such as solar or wind Biomass is an abundant and local resource in Spain

Solves the problem of biomass uncontrolled burning and prevents fire risk

Is the renewable energy that contributes the most to rural development

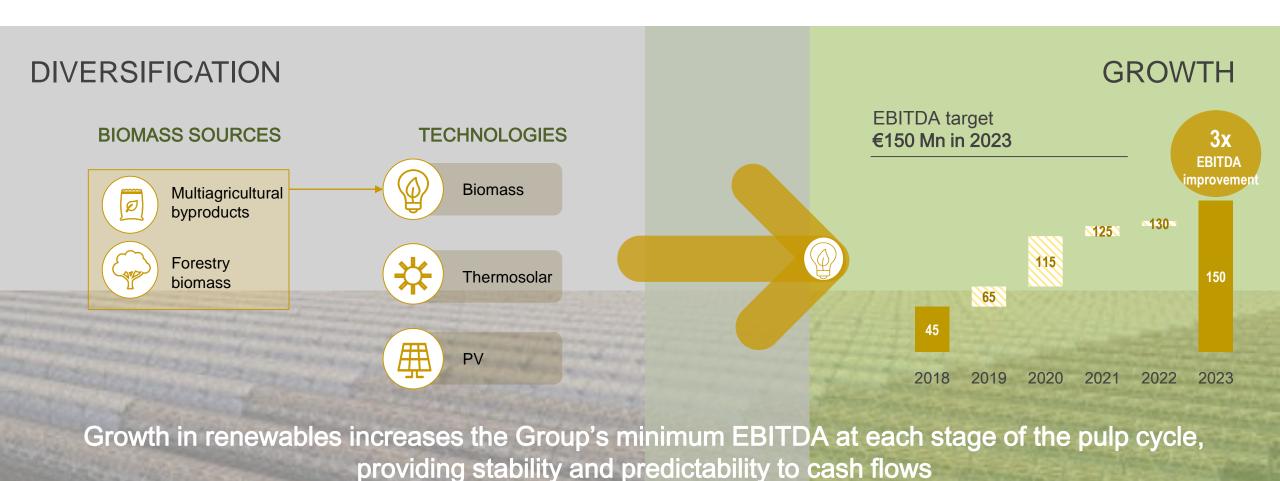
Biomass is neutral in carbon emissions and avoids diffuse emissions of forest and agricultural byproducts



Diversification

To capture growth opportunities and improve business resiliency



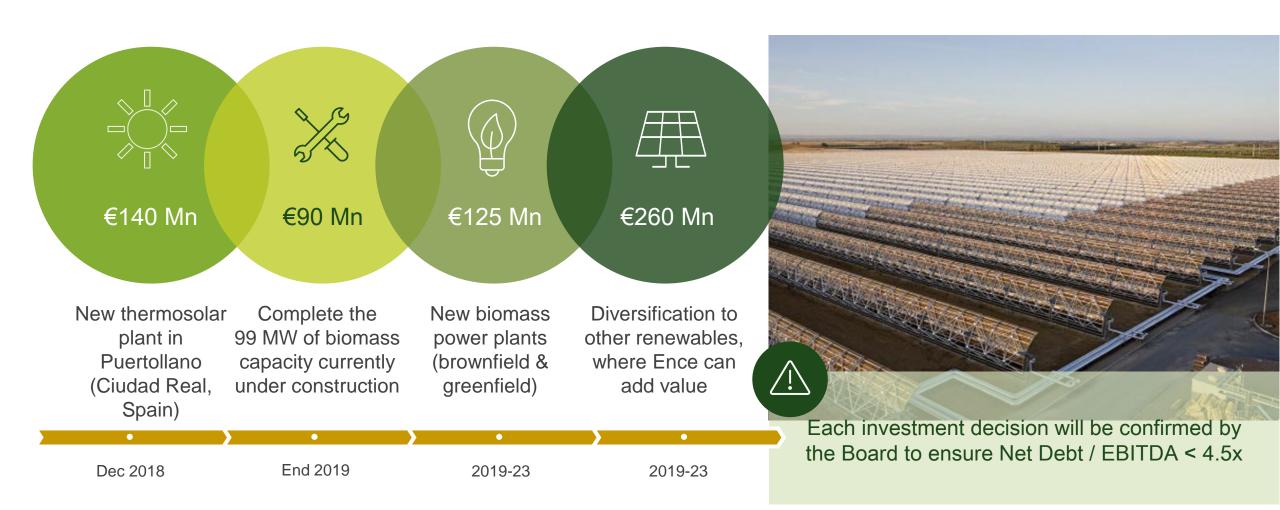




Stepwise investment plan

To reach a minimum EBITDA of €150 Mn in 2023

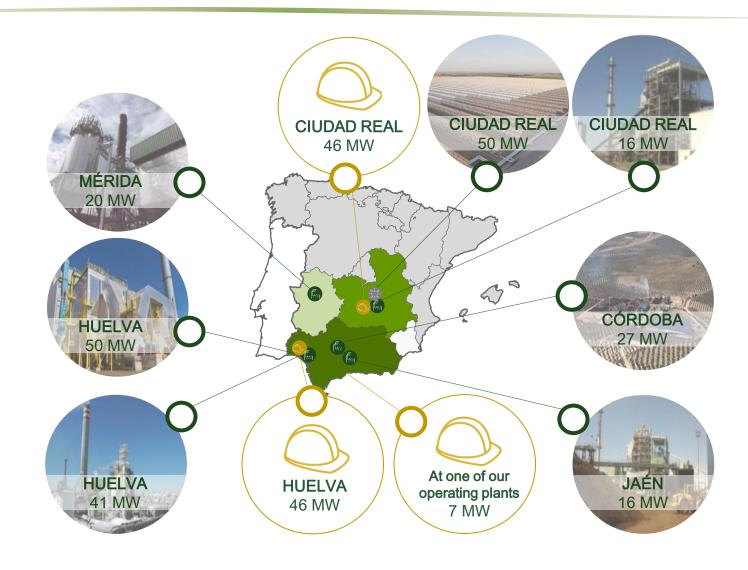






Biomass power plants of 99MW developments on track To add €30 Mn of stable annual EBITDA from 2019







New biomass power plants are more efficient Due to fuel flexibility, higher efficiency factor and fixed costs dilution



	Biomass power plant location	Capacity MW	Start-up year	Construction Capex € Mn / MW	Boiler technology	Efficiency factor	Fuel flexibility
	Huelva	41	2000		Fluidized bed	26%	Limited
OPERATING BIOMASS POWER PLANTS	Ciudad Real	16	2002		Pulverized fuel boiler + stoker grate	24%	Inflexible
	Jaén	16	2002		Pulverized fuel boiler + stoker grate	24%	Inflexible
RATING	Córdoba	14	2006		Reciprocating grate	26%	Inflexible
OPE	Huelva	50	2012	2.6	Fluidized bed	30%	Limited
	Mérida	20	2014	3.3	Vibrating grate	32%	Flexible
:W ECTS	Huelva	46	2019	2.2	Vibrating grate	35%	Full Flexibility
NEW PROJECTS	Ciudad Real	46	2019	2.2	Vibrating grate	35%	Full Flexibility

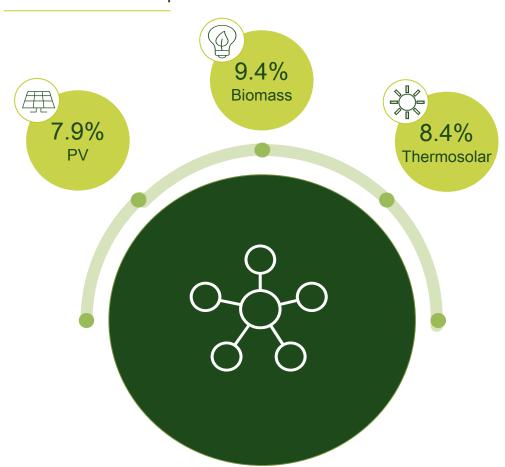




Diversification to other renewable technologiesWhere Ence can add value









50 Mw Puertollano Thermosolar plant

THERMOSOLAR PLANT

POTENTIAL HYBRIDIZATION

Capex (€ Mn)	140	Capex (€ Mn)	30
Capacity (Mw)	50		
Annual Production (Mw/h)	70,000	Annual Production (Mw/h)	190,000
Equivalent hours	1,400	Equivalent hours	3,800
Annual EBITDA (€ Mn)	18		





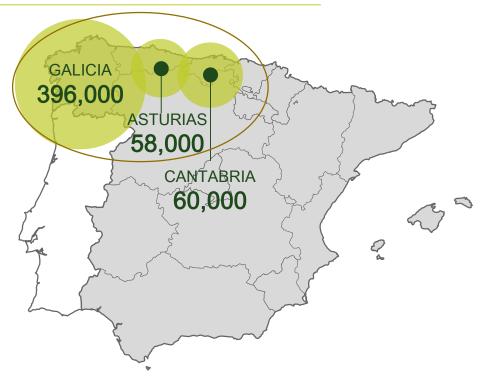
Eucalyptus availability around Ence's pulp biofactories

Both globulus & nitens wood annual growth increasing



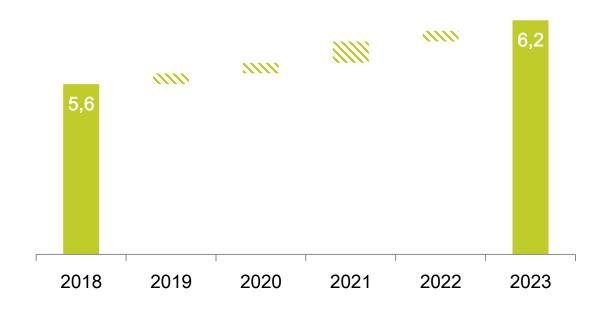
Eucalyptus (globulus & nitens) plantations surface in N.W. Spain

Hectares



Eucalyptus plantations grew in the last 10 years

Estimated eucalyptus (globulus & nitens) wood annual growth in N.W. Spain Mn m³



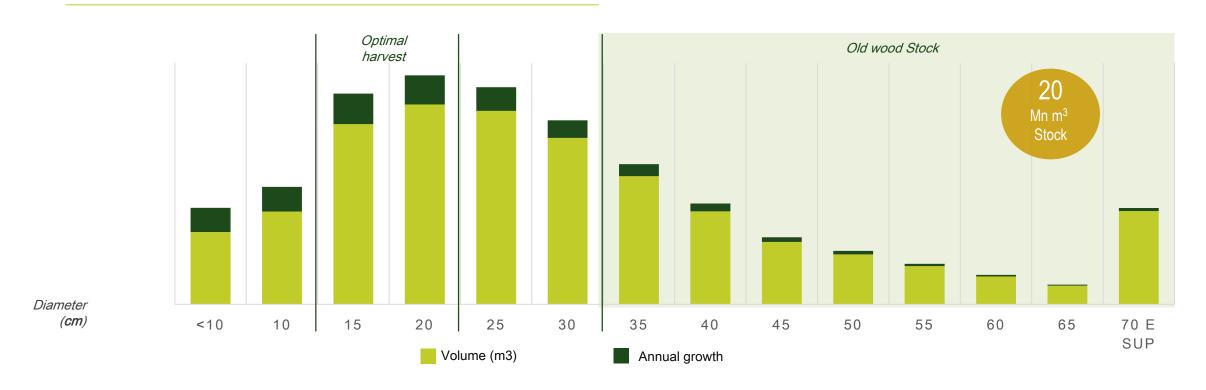
Enough wood available for our pulp capacity expansions

Source: Ence Source: Ence

20 Mn m³ of standing old wood stock Dedicated team to harvest it



Eucalyptus wood stocks in northwestern Spain m³



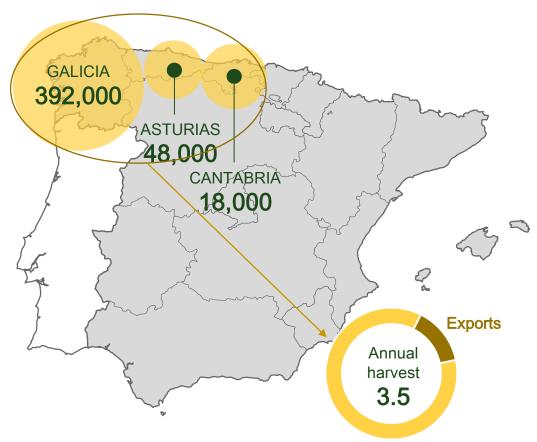
Cutting old wood stock will increase wood availability for our Strategic Plan while improving plantation yields up to 20% by optimizing its harvesting cycle

Potential diversification of wood sources

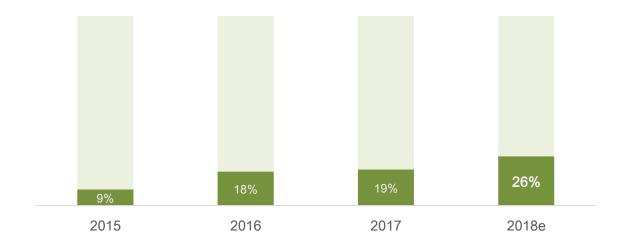
Strong track-record in the use of nitens



Pine plantations surface in N.W. Spain Hectares



Eucalyptus nitens purchases evolution %



Replicating nitens track-record in our pulp production to diversify into other woods species, such as pine

Source: MFE 25, Forest Map Spain

Unique supply chain

75% direct purchases to small suppliers & landowners



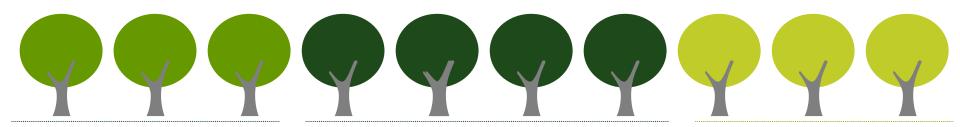
Wood purchases 2017





NAVIA 93%

PONTEVEDRA 79%



27%

Landowners

Dedicated team:

- Landowner search
- Direct purchases
- Permitting processing
- Harvesting
- Transportation

48%

Small Suppliers

- > 380 small local partners:
 - Increased capillarity
 - < 5 employees
 - Comply with Ence standards

25%

Large suppliers

- < 15 companies:
 - Provide flexibility



5-8% Back-up from **Ence** wood

plantations

13,950 Ha. Managed by Ence in N.W. of Spain

Plantations location & tracking technology

Online portal and call center

APPS for Landowners, suppliers & carriers

Customized logistics and commercial CRM

GPS tech for transport routing & wood origin control

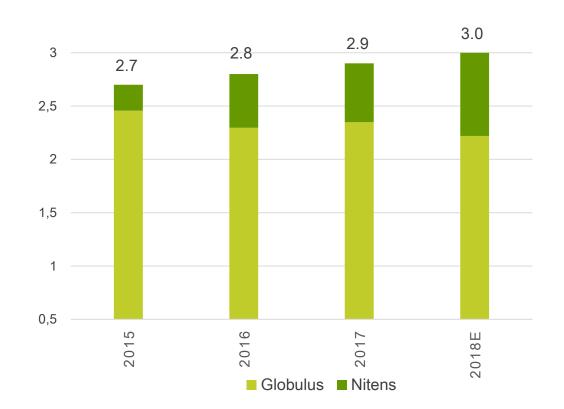
Loyalty programs

Successful track record

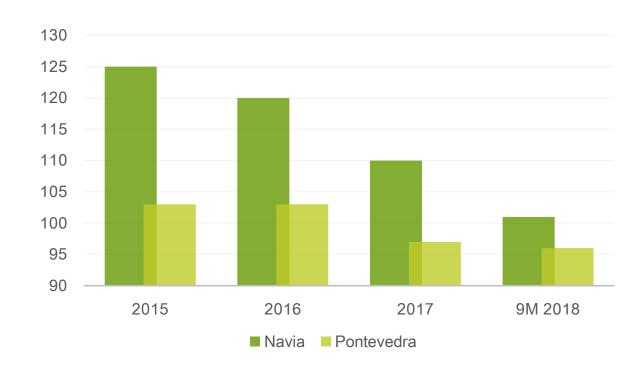
Increasing annual wood purchases at a shorter supply distance



Annual eucalyptus purchases Mn m3



Average supply distance Km



Biomass is an abundant and renewable resource in Spain

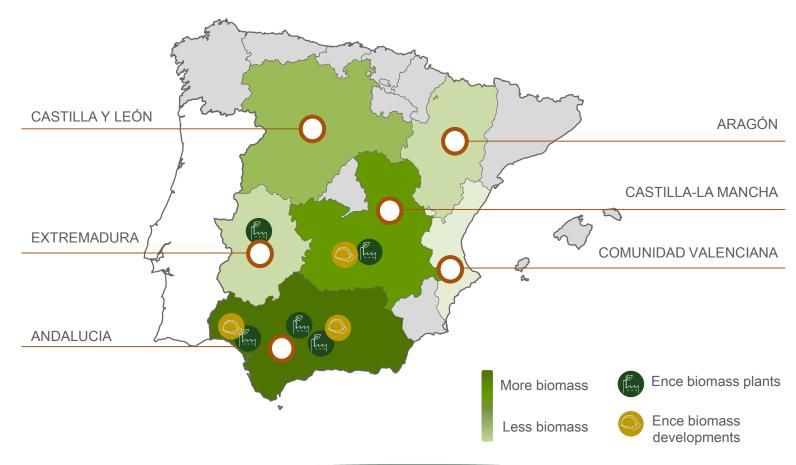
25 Mn t of annual biomass surplus



Ence's Biomass Power Plants consumption

	Biomass Consumption 2018 ('000 t)	Biomass Consumption 2020 ('000 t)
Huelva 50 Mw	440	415
Huelva 41 Mw	240	260
Mérida 20 Mw	170	145
Ciudad Real 16 Mw	95	95
Jaen 16 Mw	90	90
Córdoba 27 Mw	100	100
Huelva 46 Mw		280
Puertollano 46 Mw		270
Total	1,135	1,655

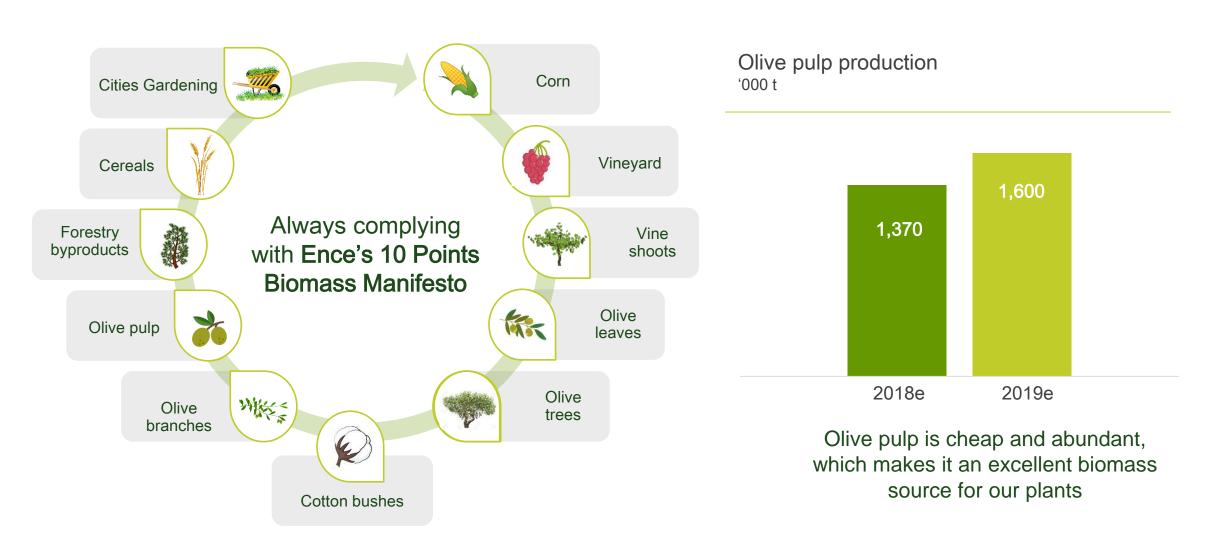
Regions with highest agro-forestry biomass potential



Biomass diversification strategy

Ence's new biomass plants designed to use a wider biomass spectrum









Excellence in sustainability

ence



Excellence in sustainability

A strategic priority for Ence





Health and Safety



Carbon footprint reduction



Water footprint reduction



Circular economy promotion



Dynamization of rural areas



Caring for communities



Excellence in OHS management



Transparency and integrity

The safety of our employees and contractors is a strategic priority for Ence. We have a Zero Accidents goal in our operations.

We are working to reduce our carbon footprint and fight against climate change by reducing our GHG emissions and improving energy efficiency.

We are working to reduce our water footprint by minimizing our water consumption and managing the liquid effluents of our facilities.

We are advancing towards a circular business model, encouraging waste minimization and reutilization both in our facilities and throughout our value chain.

We are contributing to energize and prevent population loss in rural areas, creating shared value for forest owners and farmers.

We want to be perceived as a responsible neighbour in the communities where we operate. We work hard to minimize odours and noise and organize community involvement activities.

We use integrated management systems and we apply the best available practices to minimize our environmental impacts and prevent occupational risks.

We act according to our Code of Conduct, which establishes our commitment to ethical behavior both within the company and in the relations with all our stakeholders.



Capex of €125 Mn to €225 Mn

To strengthen reliability, flexibility, environmental excellence, sustainability and safety in Navia & Pontevedra



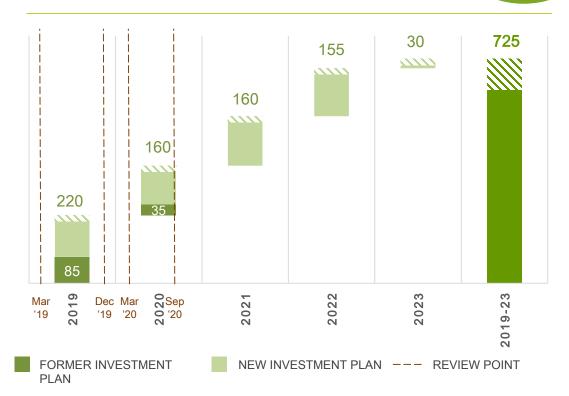
Stepwise investment plan



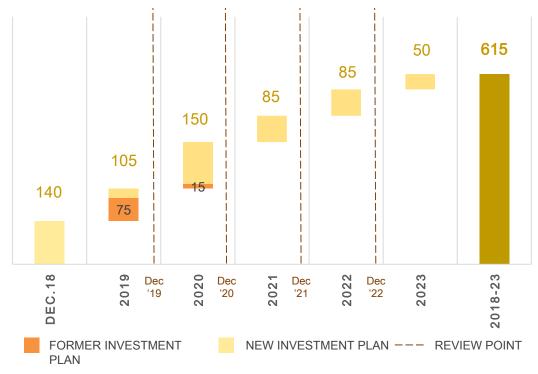




€ Mn



€615 Mn Renewable Business Investment € Mn



Minimum equity return required for our shareholders Of any investment approved by the Board



Pulp Business		
	Cost reduction	Growth
Iberia	13.7%	15.2%
Europe	15.7%	16.7%
Latam	16.6%	18.6%

	Renewable Bu	usiness
Biomass	9.4%	
Thermosolar	8.4%	
PV	7.9%	

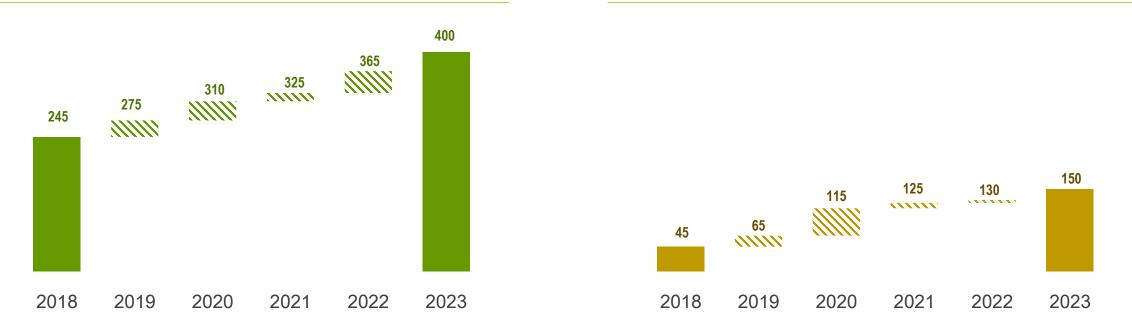
Assuming a leverage ratio of 50% for the Pulp business and 60% for the Renewable Energy business

Almost double the Group's EBITDA¹









^{1.} At constant BHKP prices of 1,050 \$/t and 1.20 \$/€ exchange rate

Plan for Southern Spain plantations

Monetization of 53,300 Ha.



	Size	Use	Contribution	
High-yield plantations	40,000 Ha.	Third party wood sale & maintaining land ownership	€10 Mn Annual EBITDA	
Upgrade to irrigated land	1,500 Ha.	Divestment	€5 Mn in 2021 €15 Mn in 2022	
Rest of properties	11,800 Ha.	Opportunistic Divestment	€10 Mn in 2022 €10 Mn in 2023	
				₃ 37

Solid balance sheet & high liquidity as starting point

To support the new investment cycle





Strategic Plan 2019 - 2023

Assumptions & forecasts

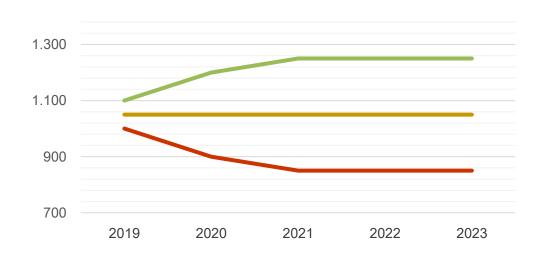


∇ PULP	2018	2019	2020	2021	2022	2023
BHKP price (\$/t)	1,040	1,050	1,050	1,050	1,050	1,050
Exchange rate (\$/€)	1.19	1.20	1.20	1.20	1.20	1.20
Commercial discount (%)	27%	27%	27%	27%	27%	27%
Pulp sales ('000 t)	950	1,020	1,095	1,125	1,190	1,300
Cash cost (€/t)	380	375	370	365	355	350
EBITDA (€ Mn)	245	275	310	325	365	400
Net Profit (€ Mn)	120	130	160	170	190	210
PRENEWABLE ENERGY	2018	2019	2020	2021	2022	2023
Energy sales (MWh)	1,000,000	1,135,000	1,830,000	2,045,000	2,060,000	2,330,000
Pool price (€/MWh)	48	48	48	48	48	48
EBITDA (€ Mn)	45	65	115	125	130	150
Net Profit (€ Mn)	10	20	40	50	50	60
ENCE GROUP	2018	2019	2020	2021	2022	2023
EBITDA (€ Mn)	290	340	425	450	495	550
Net Profit (€ Mn)	130	150	200	220	240	270

2019-2023 sensitivity scenarios

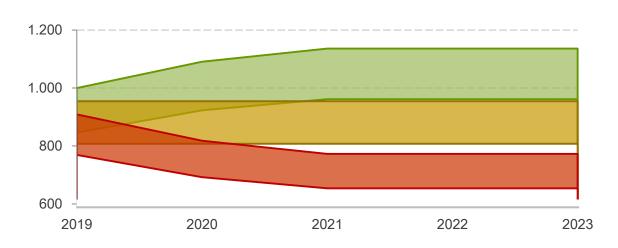


Pulp Price Sensitivity \$/t



	2019	2020	2021	2022	2023
Scenario 1	1,100	1,200	1,250	1,250	1,250
Scenario 2	1,050	1,050	1,050	1,050	1,050
Scenario 3	1,000	900	850	850	850

Pulp Price & Forex Sensitivity **€/t**



Scenario 1 @1.1-1.3 \$/€ range

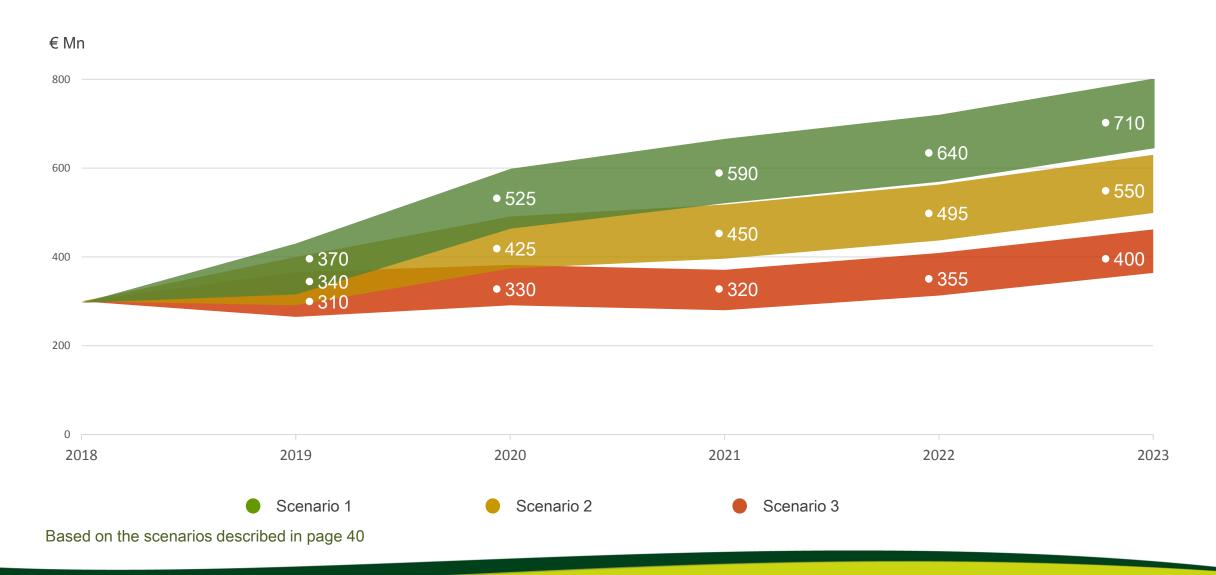
Scenario 2 @1.1-1.3 \$/€ range

Scenario 3 @1.1-1.3 \$/€ range

These are the scenarios used to analyse the sensitivity of the main financial figures

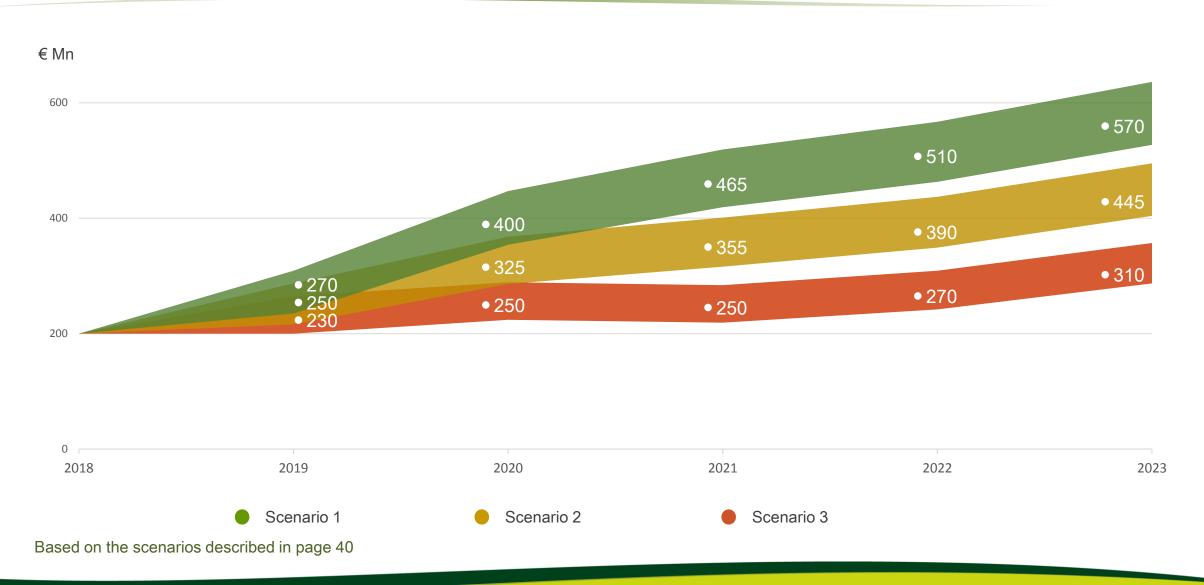
EBITDA sensitivity 2019-2023





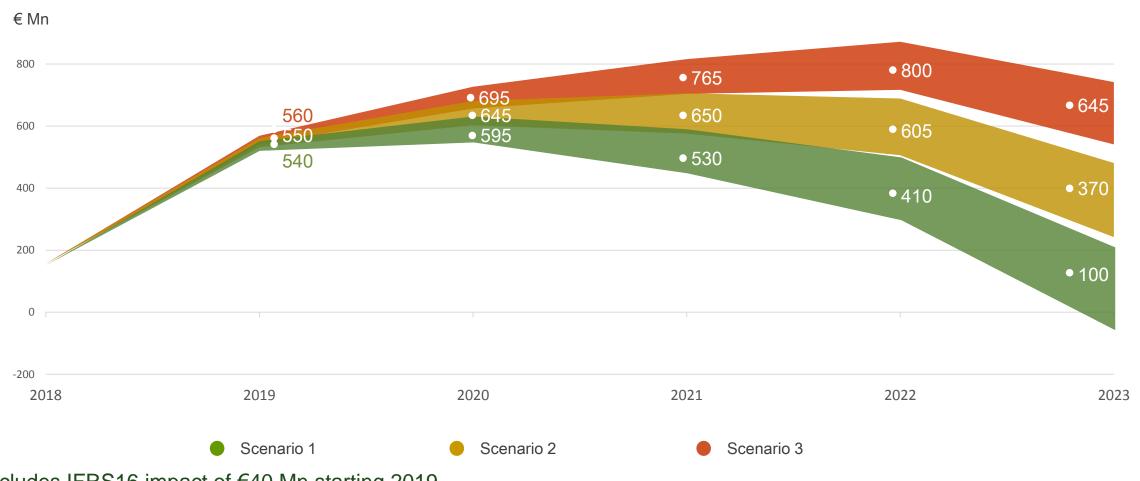
Normalized FCF sensitivity 2019-2023





Net Debt sensitivity 2019-2023



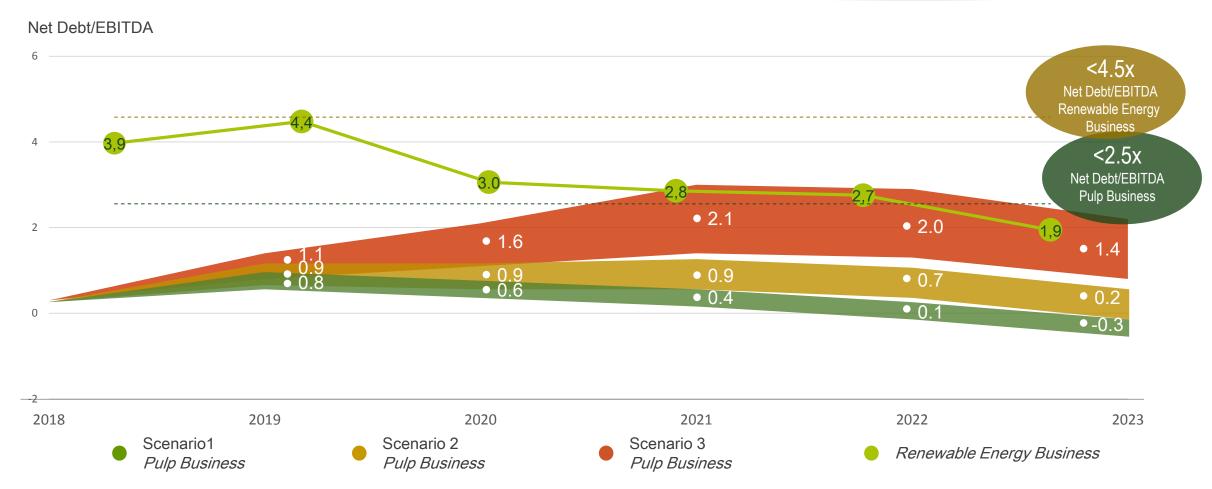


Includes IFRS16 impact of €40 Mn starting 2019

Based on the scenarios described in page 40

Financial leverage sensitivity 2019-2023

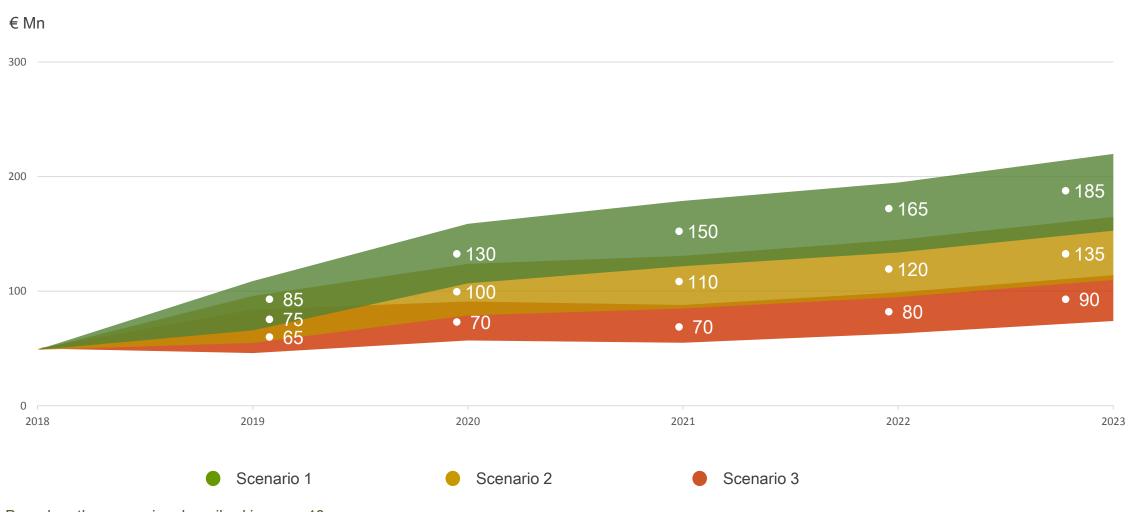




Investment of at least €15 Mn from the Pulp Business to the Renewable Energy Business to reinforce equity in 2019 Additional investments could be made if the best pulp scenario is confirmed and additional renewable growth opportunities arise

Dividends sensitivity 2019-2023





Alternative Performance Measures (APMs)

Pg.1



Ence presents its results in accordance with generally accepted accounting principles, specifically IFRS. In addition, its quarterly earnings report provides certain other complementary metrics that are not defined or specified in IFRS and are used by management to track the company's performance. The alternative performance measures (APMs) used in this presentation are defined, reconciled and explained in the corresponding quarterly earnings report publicly available through the investor section of our web page www.ence.es.

CASH COST

The production cost per tonne of pulp produced, or cash cost, is the key measure used by management to measure its efficiency as a pulp maker.

Cash cost includes of the expenses incurred to produce pulp: timber, conversion costs, corporate overhead, sales and marketing expenses and logistics costs. It excludes fixed-asset depreciation and forest depletion charges, impairment charges and gains/losses on non-current assets, finance costs/income, income tax and certain operating expenses which management deems to be non-recurring, such as ad-hoc consultancy projects, Ence's long-term remuneration plan, the termination benefits agreed with staff or certain social expenses.

As a result, the difference between the average sales price and the cash cost applied to the total sales volume in tonnes yields a figure that is a very close proxy for the EBITDA generated by the Pulp business.

EBITDA

EBITDA is a measure of operating profit before depreciation, amortization and forestry depletion charges, non-current asset impairment charges, gains or losses on non-current assets and specific non-ordinary income and expenses unrelated to the ordinary operating activities of the company, which alter their comparability in different periods.

It provides an initial approximation of the cash generated by the company's ordinary operating activities, before interest and tax payments, and is a measure that is widely used in the capital markets to compare the earnings performances of different companies.

EBITDA is a measure used by the Ence's management to compare the ordinary results of the company over time. For this reason and in order to make it comparable with the rest of the sector, its definition has been updated in 3Q18, in line with the usual practice of the market, to exclude specific income and expenses unrelated to the ordinary operating activities of the company, which alter their comparability in different periods.

NORMALISED FREE CASH FLOW

Ence reports normalised free cash flow within the cash flow metrics for each of its two business units in its quarterly earnings report. Normalised FCF is the sum of EBITDA, the change in working capital, maintenance capital expenditure, net interest payments and income tax payments.

Alternative Performance Measures (APMs)

Pg.2



Normalised free cash flow provides a proxy for the cash generated by the company's operating activities before collection of proceeds from asset sales; this cash represents the amount available for investments other than maintenance capex, for shareholder remuneration and for debt repayment.

MAINTENANCE, EFFICIENCY & GROWTH AND ENVIRONMENTAL CAPEX

Ence provides the breakdown of its capital expenditure related cash outflows for each of its business units in its quarterly earnings report, distinguishing between maintenance, efficiency & growth and environmental capex.

Maintenance capex are recurring investments designed to maintain the capacity and productivity of the company's assets. Efficiency & growth capex, meanwhile, are investments designed to increase these assets' capacity and productivity. Lastly, environmental capex covers investments made to enhance quality standards, occupational health and safety and environmental performance and to prevent contamination.

Ence's 2016-2020 Business Plan includes a schedule of the amounts it expects to invest annually in efficiency & growth and environmental capex in order to attain the strategic targets set. The disclosure of capex cash flows broken down by area of investment facilitates oversight of execution of the published 2016-2020 Business Plan.

FREE CASH FLOW

Ence reports free cash flow as the sum of its net cash flows from operating activities and its net cash flows from investing activities of its quarterly earnings report.

Free cash flow provides information about the cash generated by the Group's operating activities that is left over after its investing activities for the remuneration of shareholders and repayment of debt.

NET DEBT

The borrowings recognized on the balance sheet, as detailed in its quarterly earnings report, include bonds and other marketable securities, bank borrowings and other financial liabilities. They do not however include the measurement of financial derivatives.

Net debt is calculated as the difference between current and non-current borrowings on the liability side of the balance sheet and the sum of cash and cash equivalents and short-term financial investments on the asset side.

Net debt provides a proxy for the company's indebtedness and is a metric that is widely used in the capital markets to compare the financial position of different companies.





Delivering value Delivering commitments

