









# **FCF** Overview

FCF seeks to provide its clients with financing solutions

- (i) at the lowest cost,
- (ii) with the highest flexibility.
- (iii) in the shortest period of time,
- (iv) with the highest closing probability, and with
- (v) financing partners that integrate well into their strategy

#### Who We Are

- Specialized Investment Bank and Financing Specialist
- Advising public and private small- / midcap companies
- Advisor for structuring and placement of financing transactions:
- All instruments: Unbiased approach to all available corporate financing instruments (no product selling approach), allowing for customized financing structures
- All investors: Close and trusted relationships with senior executives of virtually all relevant equity and debt investors
- Fast process: Process management skills and direct / personal access to institutional debt and equity investors enable fast transactions
- More than 150 transactions with a total placement volume in excess of EUR 5.0 billion since foundation in 2005
- More than 15 professionals headquartered in Munich

### **Capital Markets Capabilities and Services**

Debt Equity	Private / Pre-IPO	<ul><li>Venture capital</li><li>Growth capital</li></ul>	•	Private equity		
	Public	<ul> <li>Initial Public Offering (IPO) / Capital increase</li> <li>Dual-track (IPO and alternative transaction</li> </ul>	•	pursued in tandem) Private investment in Public Equity (PIPE) Block trade		
	Short-term Debt	<ul> <li>Receivables / Factoring / Asset-backed securities</li> <li>Borrowing base / Inventory</li> </ul>	•	Working capital / Revolving credit facility Guarantees / Letter of credit		
	Long-term Debt	<ul> <li>Bank loan facility /         Syndicated loans</li> <li>Sale-and-lease-back /         Leasing</li> <li>Corporate bonds (public /         private placement)</li> <li>High yield / PIK bond</li> </ul>	:			
	Hybrid	■ Mezzanine capital	•	Convertible bonds		

#### **Selected Transactions**





# FCF Facts & Figures



# 1

financing advisor in Germany, purely focusing on corporate financing transactions



More than 15

investment banking professionals



More than 100

years of aggregated, investment banking / financing experience



More than 150

completed transactions



More than 5 bn

total volume of advised & closed transactions since 2005



## **Network**

access to more than 4000 international financial institutions



2000

contacts to family offices and ultra-high-net-worth individuals worldwide



More than

25

international conferences organized



More than

150

articles and research papers published



# Leading

advisor for financing transactions with EIB in the DACH region







# FCF Fox Corporate Finance

SmallCap / MidCap Team (I)



Kai Frömert Managing Director P: +49 (89) 206 0409-135 M: +49 (173) 580 0407 kai.froemert@fcf.de

Kai Frömert is a Managing Director in FCF's Corporate Finance Team. He joined FCF with a focus on debt capital markets.

Kai studied business economics in Frankfurt (D) and San Diego (USA) and holds a Diplom-Betriebswirt (FH) degree from HfB-Hochschule für Bankwirtschaft / Frankfurt School of Finance & Management. Prior to joining FCF, Kai gained more than 10 years of debt capital markets experience while working for the Markets & Investment Banking division of UniCredit and HypoVereinsbank as well as a further two years within the investment banking arm of Bank Vontobel. During the last 10 years, Kai focused on capital markets based corporate finance and project finance transactions, especially in the infrastructure and energy sectors.



Marcel Lange Managing Director P: +49 (89) 206 0409-126 M: +49 (172) 839 5740 marcel.lange@fcf.de

Marcel Lange joined FCF in April 2016 and is responsible for the SmallCap & Growth division.

Prior to joining FCF, he worked as an Associate Leveraged Finance at HSH Nordbank (today Hamburg Commercial Bank) since 2013. Marcel Lange completed his Bachelor's degree in Business Administration at the HSBA Hamburg School of Business Administration. During his studies he completed a trainee program in HSH Nordbank's Corporate Clients division and successfully completed his apprenticeship as a banker at the Hamburg Chamber of Commerce.



Tristan Blümli Vice President P: +49 (89) 206 0409-140 M: +49 (172) 839 5716 tristan.bluemli@fcf.de

Tristan Blümli joined FCF in September 2016, supporting the team in equity and debt financing transactions.

Tristan received his Master of Arts in Economics and Finance from Heriot-Watt University and his Master of Science in Finance and Management from Cranfield School of Management. During his studies, he completed a series of internships, most recently with Morgan Stanley.



Marco Buonafede Vice President P: +49 (89) 206 0409-131 M: +49 (174) 207 8772 marco.buonafede@fcf.de

Marco Buonafede-Bennardo joined FCF as an analyst in January 2019 and supports the team in equity and debt advisory transactions.

Marco graduated with a bachelor's degree in business administration from the LMU in Munich. His major study focus was on accounting and finance. After his bachelor studies, he completed an internship at PwC AG in Munich in the audit service line. Marco gained also first working experience in corporate finance at ACXIT Capital Partners in Frankfurt am Main. Later, he received his master's degree in Finance & Management from the University of St. Andrews in Scotland.







# FCF Fox Corporate Finance

SmallCap / MidCap Team (II)



Yasmin Herrmann Vice President P: +49 (89) 206 0409-122 M: +49 (173) 683 8442 yasmin.herrmann@fcf.de

**Yasmin Herrmann** joined FCF in January 2019 and is responsible for the execution of equity and debt financing transactions in FCF's SmallCap & Growth team.

Yasmin graduated from the ISM in Dortmund with a BA in Management. Thereupon, she pursued her Master's Degree of Finance (MSc), with a specialization in Corporate Finance, at the Frankfurt School of Finance and Management. During her studies, Yasmin gained her first working experience in Corporate Finance as a working student at BNP Paribas in Frankfurt am Main.



Florian Hoch Analyst P: +49 (89) 206 0409-127 M: +49 (173) 590 6671 florian.hoch@fcf.de

**Florian Hoch** joined FCF in August 2021 and is part of the SmallCap & Growth team. He supports the team in equity and debt financing transactions and is responsible for the preparation of all relevant transaction documents as well as rating analyses and pitches.

Florian graduated from the University of Mannheim with a Bachelor of Science in Business Administration. During his studies, Florian gained first working experience in the Deal Advisory and Audit departments at KPMG.



Philipp Küthe

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Philipp Küthe joined FCF as an analyst in July 2023 and supports the team in equity and debt financings.

Before joining FCF, Philipp obtained a Bachelor's degree in Business Administration with a focus on Corporate Finance from the University of Cologne and studied for a Master's degree in Management at the University of Mannheim and ESSEC Business School. During his studies, he gained practical experience in M&A and Audit at PwC as well as in Restructuring Consulting at Deloitte.



Valentin Plettner

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Valentin Plettner joined FCF as an analyst in July 2023, supporting the team in equity and debt financing transactions.

Valentin completed his Bachelor in Business Administration with a focus on Banking & Finance at the Frankfurt School of Finance & Management. During his studies, he gained practical experience in Corporate Finance at Carl Finance and Belgravia in Berlin and Cologne as well as at Deutsche Bank in Frankfurt am Main in the Equity Research department.





# **Executive Summary**

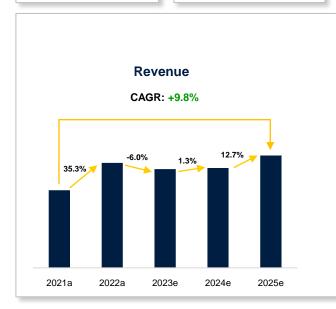
## FCF Forestry, Paper & Packaging Market at a Glance

### 





		Credi	t Statis	tics			
Net Leverage		Interest Cover Ratio		Rating*			
2021 2022	LTM	2021	2022	LTM	2021	2022	LTM
1.8x 🔌 1.5x	1.5x	31.7x 🤻	44.4x	33.9x	A- ⇒	A-	A-
		Current	Loan-to	-Value			
		2021	2022	LTM			
		7.8% 角	5.7%	7.7%			
Equity R	atio	Non-Current Loan-to-Value		WACC			
2021 2022	LTM	2021	2022	LTM	2021	2022	LTM
48.5% <b>₹</b> 49.09	<b>49.6%</b>	36.9% 🔦	34 2%	36.5%	7.0% 🧸	7 7%	7.9%





**Long-Term Development** 





# **Executive Summary**

## FCF Forestry, Paper & Packaging Market Study Overview

The FCF Forestry, Paper & Packaging Market Study is a standardized report / analysis of public European forestry, paper and packaging firms and provides valuable industry and competitive intelligence

More advanced, detailed and / or customized reports are available upon request

### FCF Forestry, Paper & Packaging Market Study

is a comprehensive publication of European publicly listed forestry companys as well as paper, paper products and packaging manufacturers. The analysis includes:

- Market Fundamentals: Development of key P&L metrics (revenue, EBITDA, EBIT) and profitability metrics (EBITDA-/ EBIT margin
- Market Valuation: Development of valuation multiples (EV / EBITDA, EV / EBIT)
- Credit Statistics: Development of relevant credit metrics (net leverage ratio, equity ratio, EBITDA interest cover ratio and loanto-value ratios), market rating and implied cost of capital (WACC)

#### **Selection of Companies**

The selection of companies is primarily based on the following criteria:

- Industry classification: Forestry, paper & packaging
- Company status: Operating
- Ownership: Public, listed
- Geography (HQ / exchange country): Europe, excl. Russia
- Total revenues (last FY): EUR 25m EUR 10,000m
- Total revenues (FY 2023e-2025e): Data available
- Market capitalization: >EUR 0m
- Free float: >15%

### Recipients

The FCF Forestry, Paper & Packaging Market Study targets a wide audience, which includes:

Executives

- Equity / debt investors
- Key personnel in corporate development / financing unit
- Shareholders

and provides in-depth and complete financial insights that highlight key trends within the European forestry as well as paper, paper products and packaging market

#### Data

All input data is provided by S&P Capital IQ and is not independently verified by FCF. Ratio and multiple calculations are driven based on the input data available. For additional information and disclaimer, please refer to the last page

### **Availability**

The FCF Forestry, Paper & Packaging Market Study is available on FCF's website at "www.fcf.de"

To recommend colleagues or fellow investors to be added to the mailing list, kindly send an email with the respective contact information

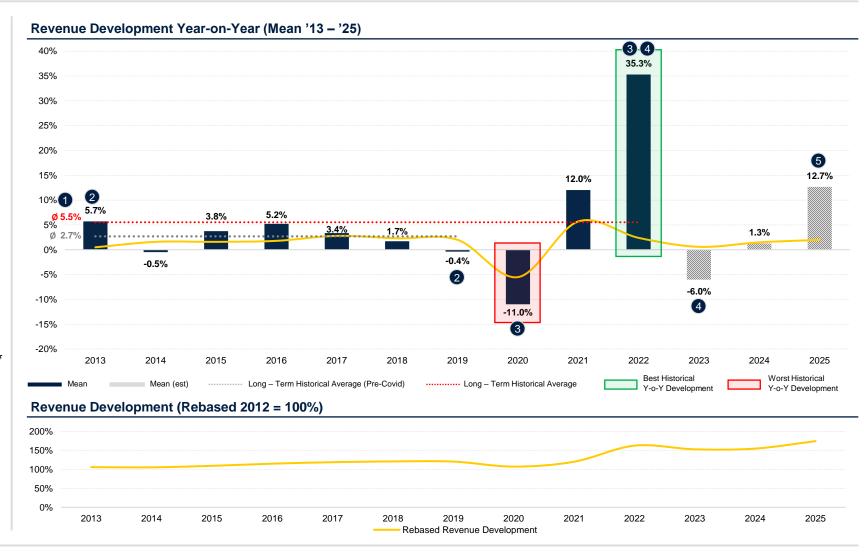
More advanced, detailed and / or customized reports can be ordered individually (e.g. for board reporting, strategy and competition analysis purposes)





Historical & Forecasted Revenue Development (Current Market Expectations)

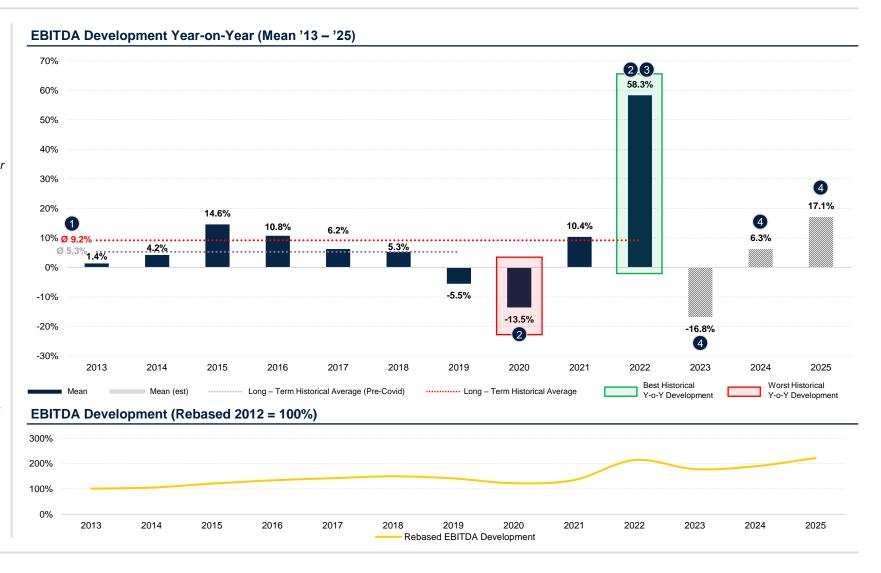
- The revenues of the publicly listed forestry, paper and packaging firms overall show a positive historic development, growing at a 5.5% long-term average between '13 '22
- 2 The revenue development Y-o-Y showed a low degree of volatility until 2019, underscoring the noncyclical nature of the market
- 3 In response to exceptional and profound market disturbances (e.g. Covid-19 pandemic, Ukraine war, increased raw materials and transportation prices), the market shows a high degree of volatility between '20 and '22 (\( \Delta 46.3\)%)
- 4 The revenue spike in '22 due to a strong demand and higher sales prices is followed by a market correction in 2023.
- 5 In the long-term, revenues are set to continue to grow





Historical & Forecasted EBITDA Development (Current Market Expectations)

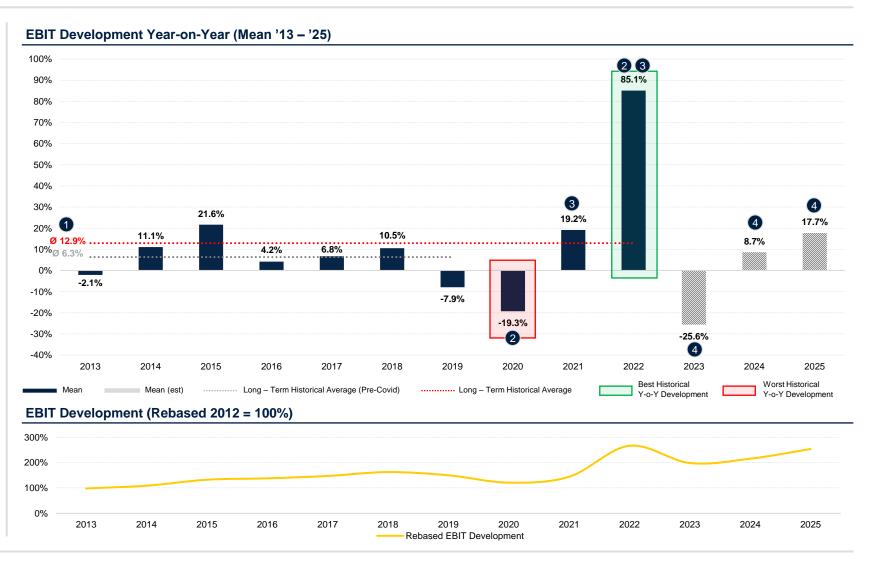
- 1 The EBITDAs of the publicly listed forestry, paper and packaging firms overall show a positive historic development, growing at a 9.2% long-term average between '13 '22
- 2 The EBITDA development shows a higher degree of volatility compared to revenue (growth rates between -13.5% and +58.3% (Δ71.8%)), highlighting the high proportion of fixed costs which can not be adjusted quickly
- 3 In '22, EBITDA increased by 58.3%, due to a high demand, close to fully-utilized production capacities and a strong price increase which overcompensated the increase of input prices
- After an expected market correction (due to a slow reduction of inventories and lower selling prices) in '23, '24 and '25 suggest an ongoing positive development and pricing power





Historical & Forecasted EBIT Development (Current Market Expectations)

- 1 The EBITs of the publicly listed forestry, paper and packaging firms overall show a positive historic development, growing at a 12.9% long-term average between '13 '22
- 2 The EBIT development shows a significantly higher degree of volatility compared to revenue & EBITDA (growth rates between -19.3% and +85.1% (Δ104.4%)), underscoring the high level of CAPEX investments and resulting fixed depreciation in the industry
- 3 EBIT in '21 and '22 increased sharply post Covid-19
- 4 After an expected market correction in '23, industry analysts expect a positive development in '24 and '25



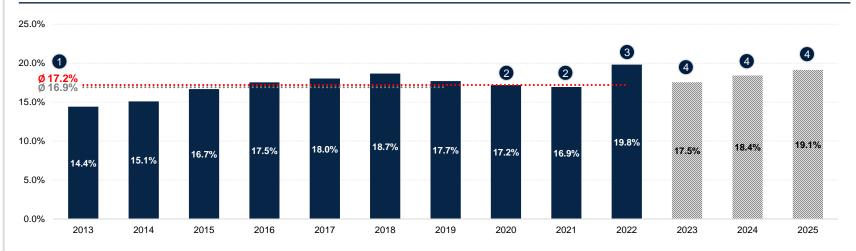


## Historical EBITDA / EBIT Margin Development

The forestry, paper and packaging market largely depends on the capacity utilization rate (higher rates allowing for higher margins)

- 1 The long-term ('13 '22) average EBITDA / EBIT margins are 17.2% and 10.6%, respectively
- 2 The global Covid-19 pandemic has led to a decline in EBITDA / EBIT margin from '20 – '21
- 3 In '22, margins rebounced swiftly, reaching record highs
- 4 Strong demand in the sector is expected to allow for margins above the historic long-term average in the coming years

### EBITDA Margin (Mean '13 – '25)



### **EBIT Margin (Mean '13 - '25)**



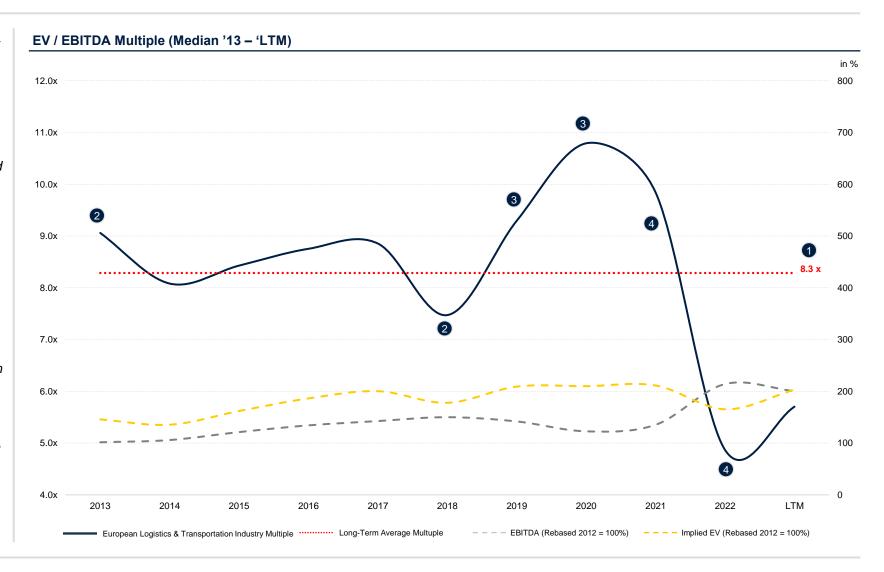




## **Market Valuation**

## Historical EV / EBITDA Development

- 1 The long-term ('13 LTM) average EV / EBITDA multiple is 8.3x
- 2 From '13 '18, the average EV / EBITDA multiple was fairly stable and traded along the long-term average
- 3 Amid decreasing EBITDAs in '19 and '20, market capitalizations showed a slight upward movement, causing valuation levels to sharply increase
- 4 The strong growth in EBITDAs, despite the flat / rising market valuations, caused EBITDA multiples to contract to record low levels

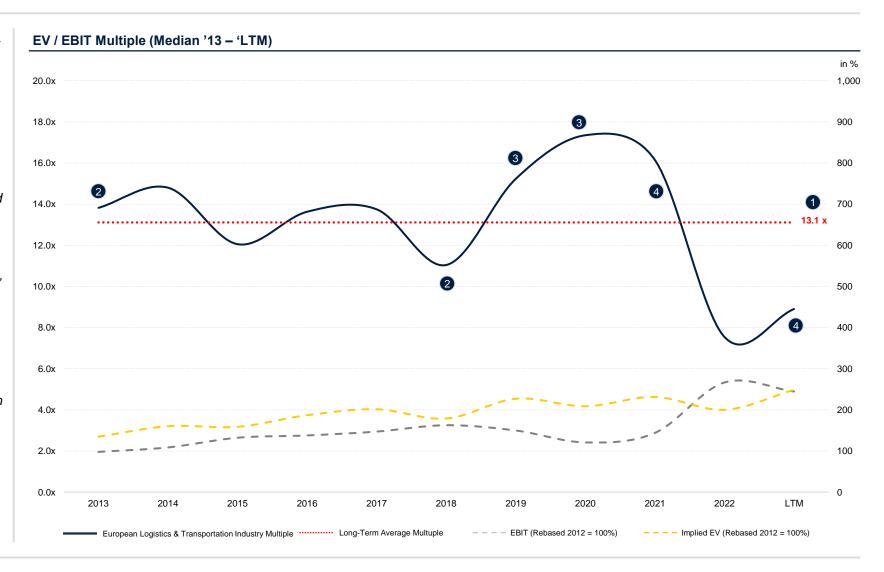




## **Market Valuation**

## Historical EV / EBIT Development

- 1 The long-term ('13 LTM) average EV / EBIT multiple is 13.1x
- 2 From '13 '18, the average EV / EBIT multiple in the forestry, paper & packaging industry was fairly stable and traded along the long-term average
- 3 Amid decreasing EBITs in '19 and '20, market capitalizations showed a slight upward movement, causing valuation levels to increase
- 4 The strong growth in EBITs, despite the flat / rising market valuations, caused EBIT multiples to contract to record low levels









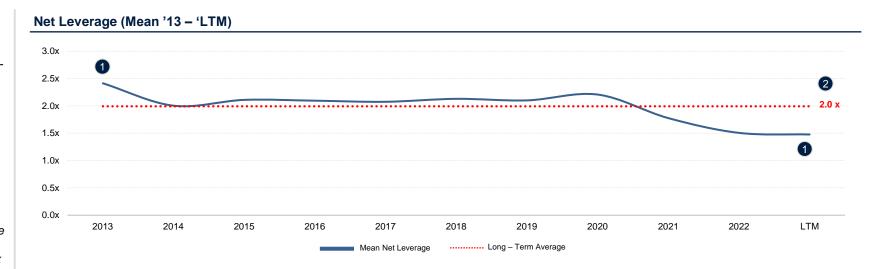


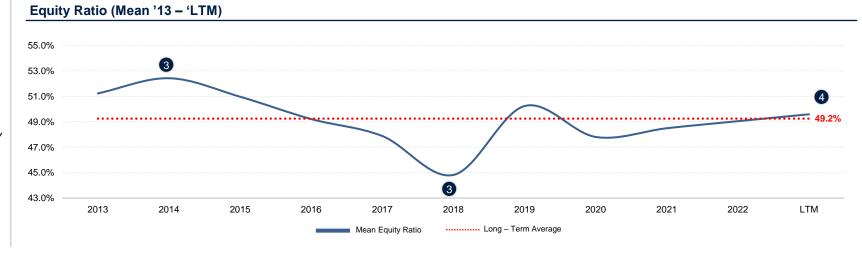


Historical Net Leverage / Equity Ratio Development

Within the forestry, paper and packaging market, firms are financed conservatively (good investment grade level) based on the net leverage and equity ratios

- 1 The net leverage ratio has been fairly stable from '13 to LTM, ranging from 2.4x in '13 to 1.5x LTM (Δ 0.9x)
- 2 The long-term average net leverage shows a moderate level at 2.0x EBITDA
- 3 The equity ratio showed a slightly higher but still relatively low volatility, ranging between 44.8% in '18 and 52.4% in '14 (Δ 7.6%)
- 4 The average equity ratio within the industry is fairly conservative with an average long-term equity ratio of 49.2%



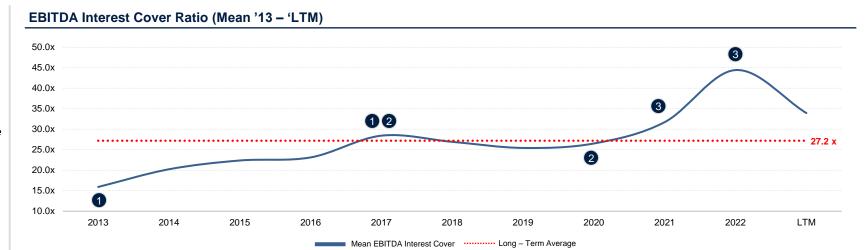




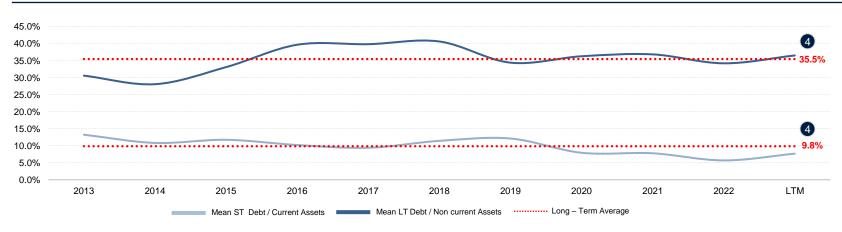
## **Credit Statistics**

Historical EBITDA interest Cover Ratio / Loan-to-Value Ratios Development

- 1 Due to the decreasing ECB's base rate and an increasing EBITDA within the forestry, paper and packaging market, the EBITDA interest cover ratio increased between '13 and '17, surpassing the long-term average of 27.2x in '17
- 2 Between '17 and '20, the EBITDA interest cover ratio showed a sideway development
- 3 In '21 and '22, the decrease in net leverage combined with rising EBITDAs resulted in a strong increase in 'the EBITDA interest coverage ratio
  - Loan-to-value ratios have been fairly stable at conservative levels with a long-term average non-current loan-to-value of 35.5% and a current loan-to-value of 9.8%, implying high collateralization for banks





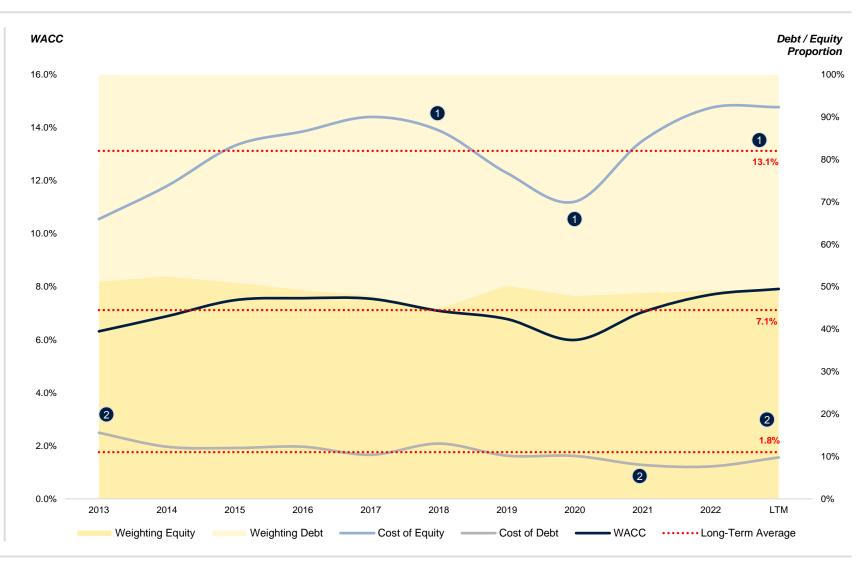




## **Credit Statistics**

## Historical Implied Cost of Capital / WACC Analysis

- 1 The implied cost of equity (ROE) declines between '18 and '20, reaching a low of 11.2% in '20, significantly below the longterm average of 13.1%. Since then, the implied cost of equity started to climb again
- 2 The implied cost of debt decreased from 2.5% in '13 to 1.3% in '21, following the decreasing ECB's base rate. Recently, the implied cost of debt increased again, driven by the ECB's interest rate increases since '22
- The debt / equity ratio has been fairly stable ('13 – '22) around 50% equity, implying a solid, investment grade capital structure
- The weighted average cost of capital (WACC) is correlated with the implied cost of equity (ROE)



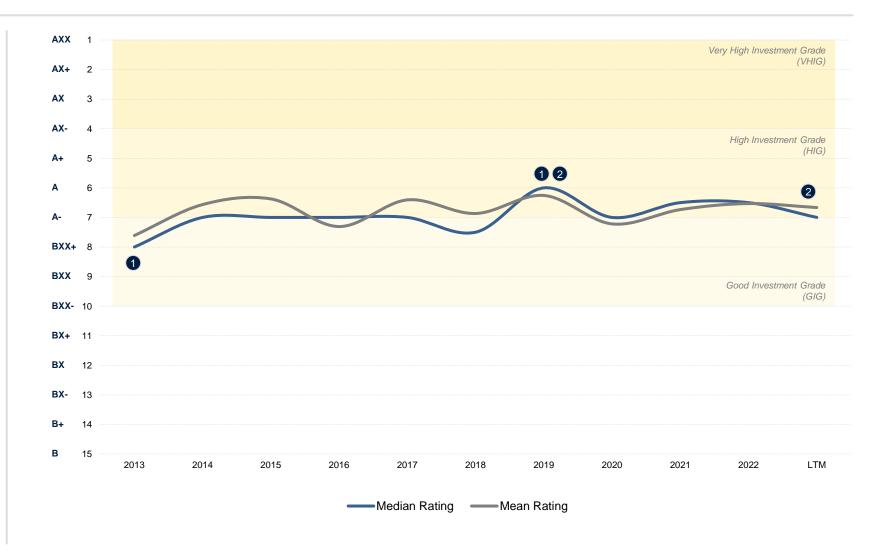


# Rating Analysis

## Historical Rating Development

Historically, the publicly listed forestry, paper and packaging industry (rated by large rating agencies, e.g. Fitch, Moody's, S&P), overall was rated as good to high investment grade

- 1 The median rating of the forestry, paper and packaging market has been fairly stable (between '13 – 'LTM), lying in the FCF rating corridor of BXX+ to A (corresponding to S&P's rating scale of BBB+ to A)
- 2 Since '19, the median rating of the forestry, paper and packaging market remained at the high investment grade level with a rating of A-or higher (FCF rating methodology corresponding to S&P's rating scale of BBB)





### Contact Details & Disclaimer

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