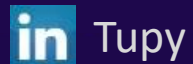


TUPY

4rd Quarter 2022



TUPY



DISCLAIMER

This presentation contains forward-looking statements, which are subject to risks and uncertainties and reflect the beliefs and expectations of the Company's Management based on available information. Forward-looking statements include statements regarding our Management's current intentions or expectations with respect to a number of matters, including Brazil's economic, political and business environment, and especially the geographic markets in which we operate, the level of indebtedness and other financial obligations, and our ability to contract financing, when necessary and on reasonable terms, our ability to implement our investment plans, inflation and devaluation of the Brazilian real, as well as fluctuations in interest rates, existing and future laws and regulations, increased costs, our ability to uninterruptedly obtain materials and services from suppliers, at reasonable prices and with economies of scale, our ability to acquire other companies and integrate them in a satisfactory way, growth expectations of the automotive and hydraulic industries and success in implementing our strategic plans.

The reader should be aware that the factors mentioned above, in addition to others discussed in this Presentation, may affect our future results which may differ from those expressed in the forward-looking statements we make herein. We do not assume responsibilities for updating such statements.

The words "anticipates," "wishes," "expects," "estimates," "intends," "forecasts," "plans," "predicts," "projects," "targets" and other similar words are intended to identify these statements.

Forward-looking statements involve risks, uncertainties and assumptions as they relate to future events and therefore depend on circumstances that may or may not occur. The future condition of our financial situation and operational results, market share and competitive market position may materially differ from what is expressed or implied by these forward-looking statements. Many of the factors that will determine these results and values are beyond our ability to control or predict. The reader is cautioned not to place undue reliance on these forward-looking statements.

Strategic movements and record results despite the challenging scenario

- Consolidation of the Aveiro and Betim operations
 - Acquisition of MWM do Brasil
- **Clients' stoppages and volumes below potential**
 - Impact of the COVID-19 pandemic, conflict in Eastern Europe and lockdowns in China; Bottlenecks in the production chain higher inventory
- **Impact on Tupy operations:**
 - Unscheduled shutdowns: affecting margins and working capital
 - Adjustments to lower volumes
 - Incident in Mexico and subsequent extension of shutdown for working capital adjustment

Revenue growth and efficiency

Cost pass-through, price realization and contractual renegotiations

Multiple initiatives to reduce costs and expenses in all lines

Investments in operational efficiency and product flexibility

Synergies impacting all operations

~ R\$130 million (annualized) captured synergies from purchase and operations

Several identified opportunities that will be implemented according to the business plan

Substantial increase in the “pro-forma” margin

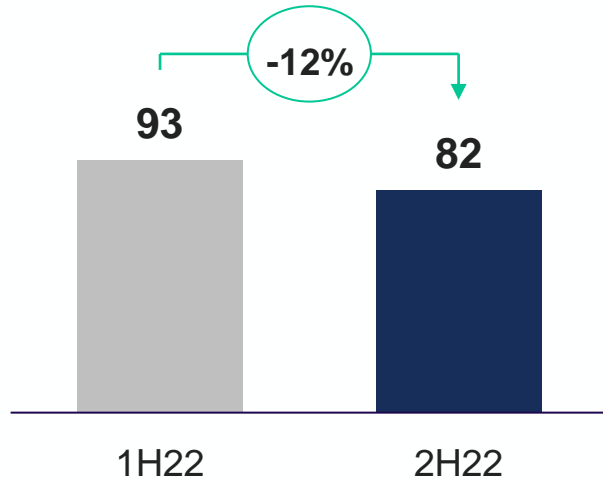
Considering the 12-month period for Aveiro and Betim in 2021*



* Tupy's estimate

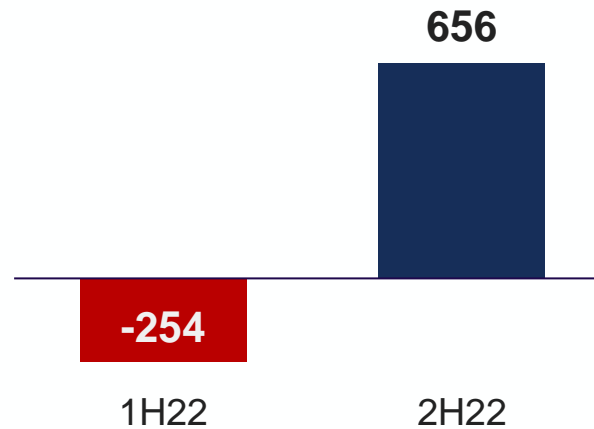
PRIORITIZATION OF INVENTORY ADJUSTMENT AND CASH GENERATION

Cash Conversion Cycle - [days]



Operating Cash Generation [MBRL]

Generation of de R\$ 402
million in 2022



- Focus on reducing the Cash Conversion Cycle, affected by customer stoppages
- Construction of inventories **not included in the transaction perimeter** (Aveiro and Betim)
- Programmed shutdowns of operations for **inventory readjustment**
- **Positive impact** on operating cash generation

OPERATING AND FINANCIAL HIGHLIGHTS | 2022

Includes one month (December) of MWM do Brasil

1 Revenues & Volumes

R\$ 10.2 billion in 2022, the highest value in history. **44%** increase vs 2021

Volumes still **below potential** (semiconductors and bottlenecks in the production chain)

Cost pass-through and price realization

2 Adjusted EBITDA

R\$ 1.3 billion in 2022 (+44%), an increase of R\$ 390 million vs 2021

Margin of 12.5% - similar to 2021. Impact of production stoppages, non-recurring events and addition of Betim and Aveiro operations (12 months, vs 3 months in 2021)

Significant advances in synergies; **several opportunities to be captured**

3 Net Income

R\$ 502 million, the highest value in the company's history (148% vs 2021)

4 ROIC

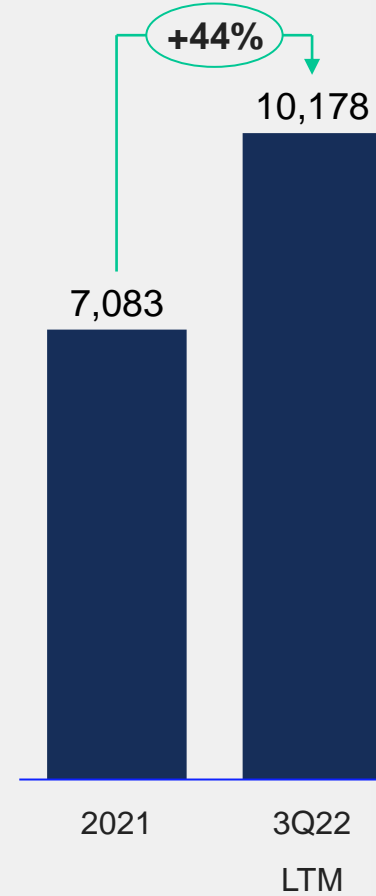
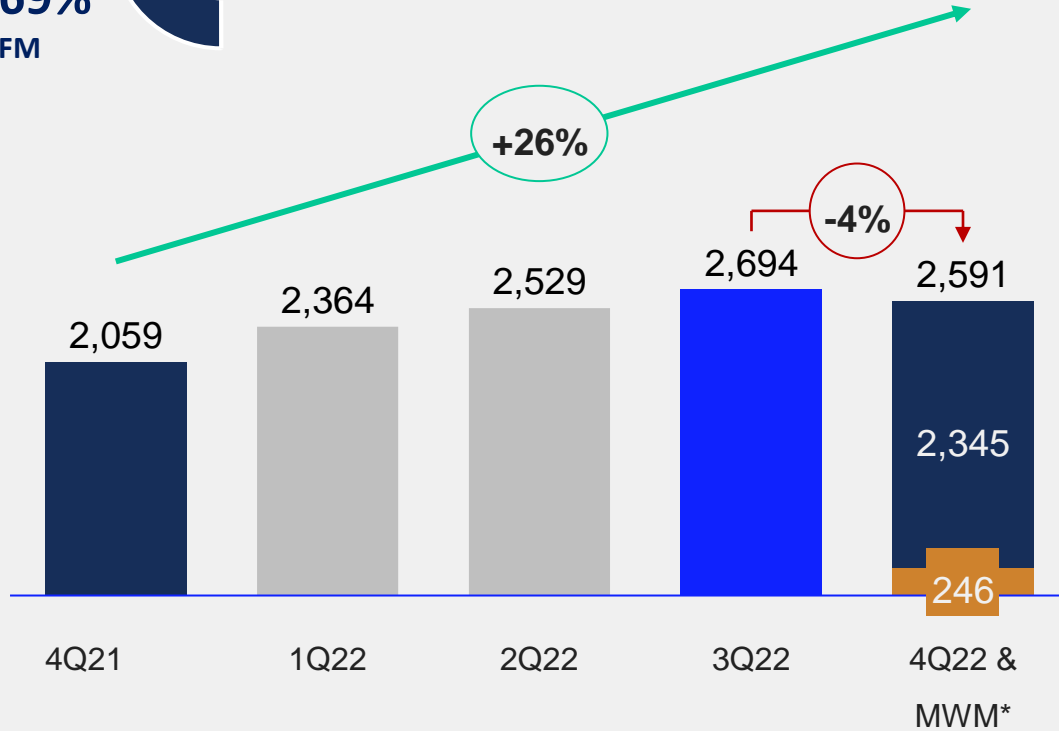
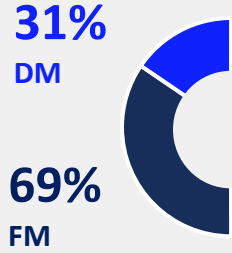
13.5%, vs 10.6% in 2021, despite the increased working capital and larger asset base from MWM do Brasil, and only one month (December) of NOPAT from this operation

TUPY

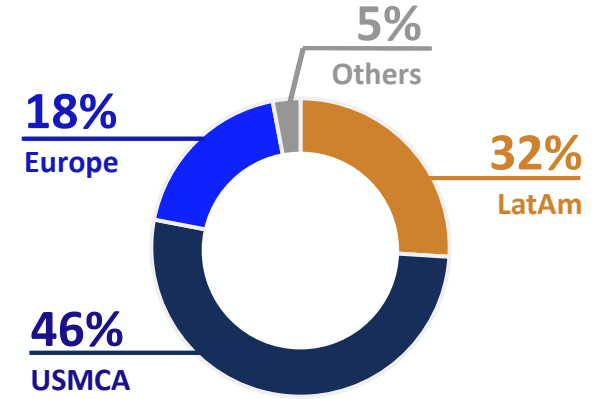


Results 4Q22

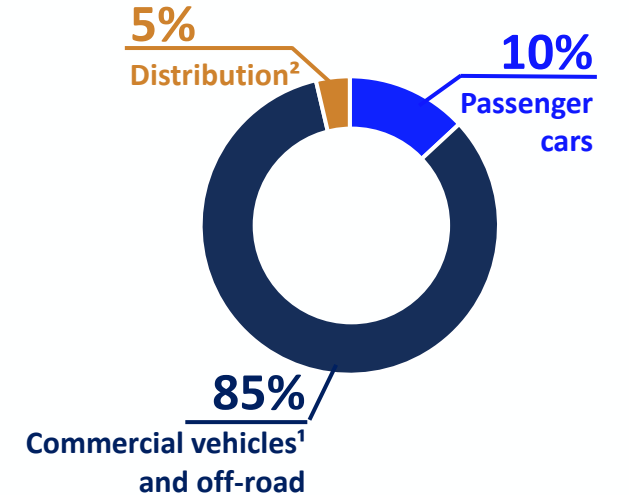
REVENUES [M BRL]



Origin [% Revenue]



Segments [% Revenue]



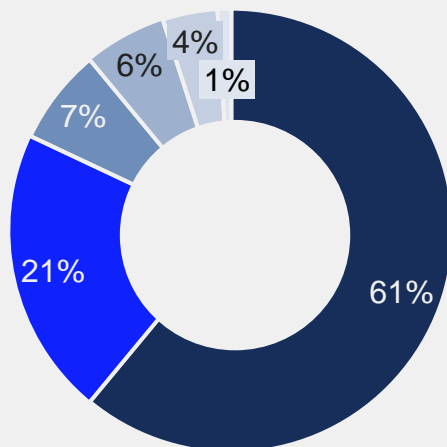
* Includes one month (December) of MWM do Brasil

1) Includes light, medium and heavy commercial vehicles

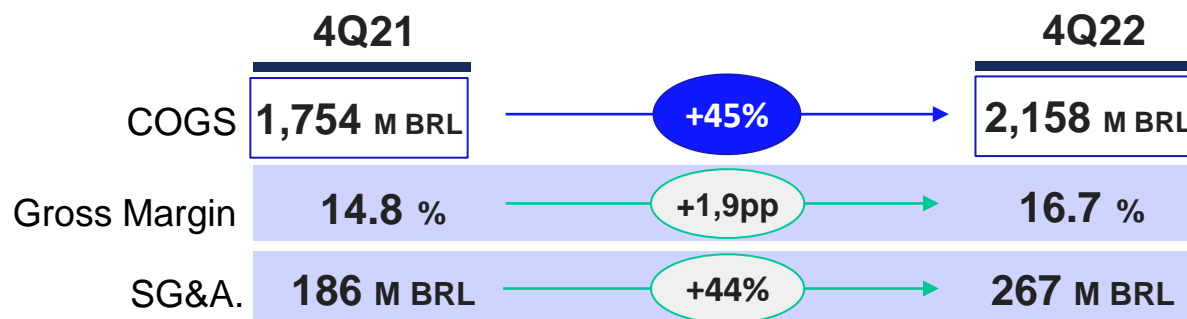
2) Includes hydraulic and MWM aftermarket business

COGS AND SG&A

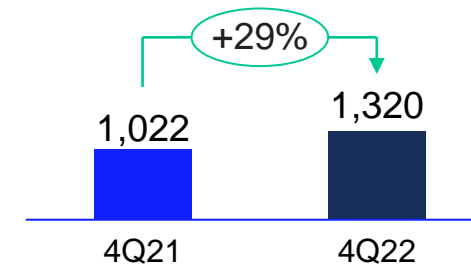
COGS Breakdown 4Q22 [%]



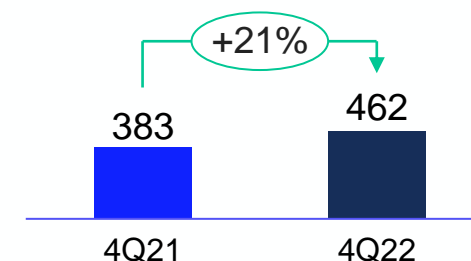
■ Raw Material
 ■ Labor & Profit Sharing
 ■ Maintenance Materials
 ■ Energy
 ■ Depreciation
 ■ Others



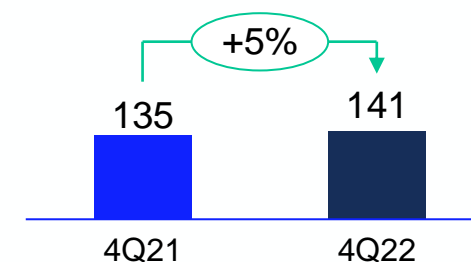
Raw Material



Labor

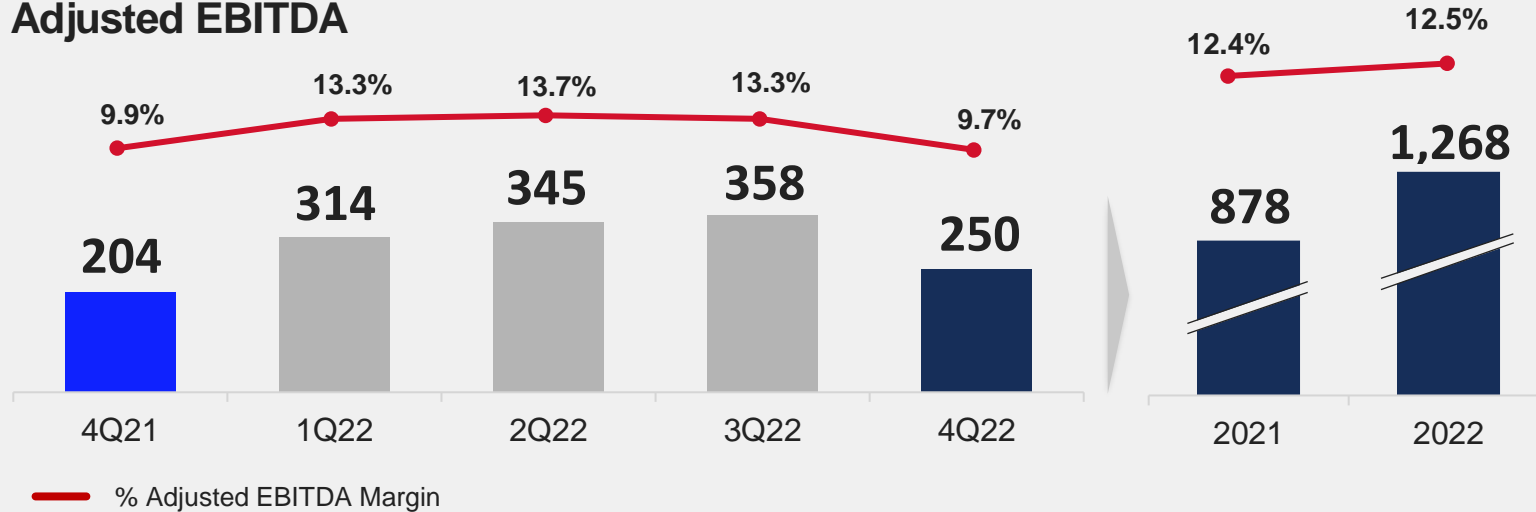


Maintenance & third-parties

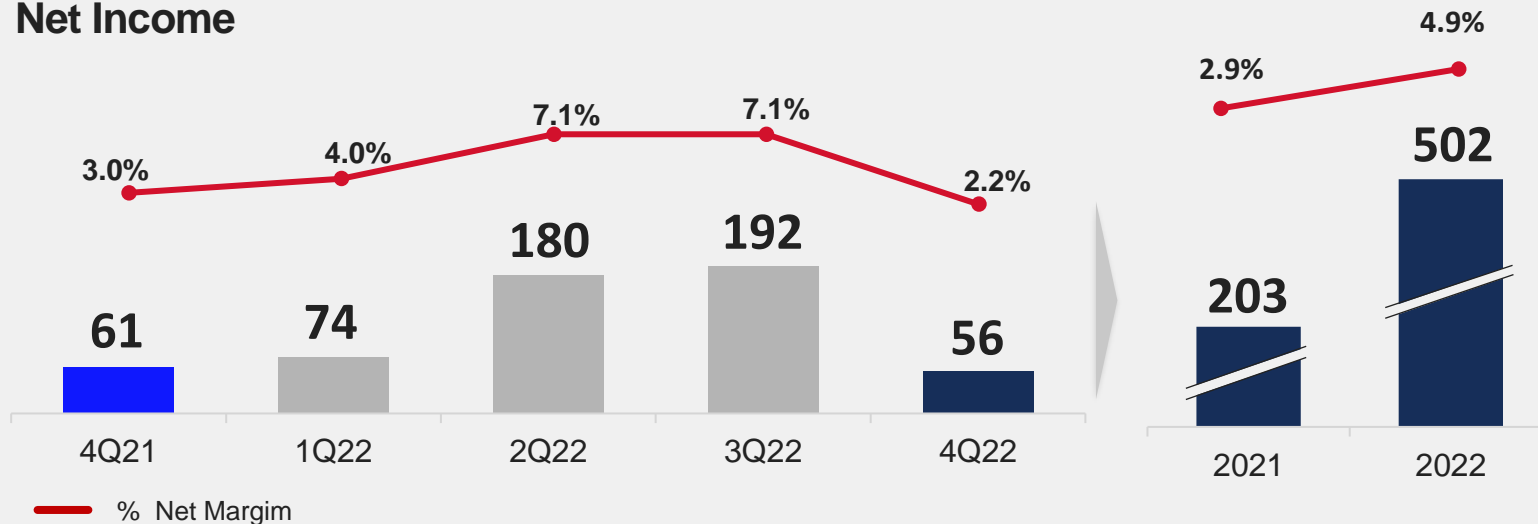


ADJUSTED EBITDA & NET INCOME [M BRL]

Adjusted EBITDA



Net Income



- Despite the positive impact on working capital and cash generation, scheduled stoppages in operations impacted margins
- Non-recurring effect, related to the reconstruction of a furnace in Mexico with an impact of ~41 MBRL
- Bargain purchase adjustments: (no cash effect) negative impact of 14 MBRL
- Inclusion of MWM do Brasil result (1 month)

Impact of seasonality and change of technology - Proconve 8 / Euro 6 on volumes

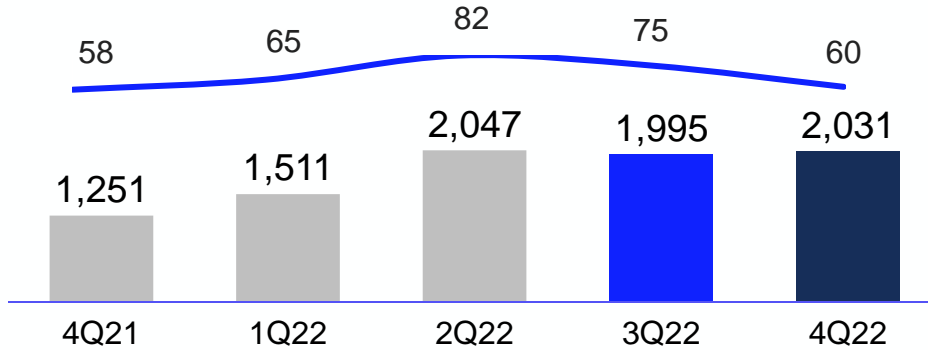
FINANCIAL RESULT [M BRL]

	4Q22	4Q21
Financial Expenses	¹ (81)	(47)
Financial income	² +46	+10
Monetary and exchange variation	³ (5)	+6
TOTAL	(40)	(31)

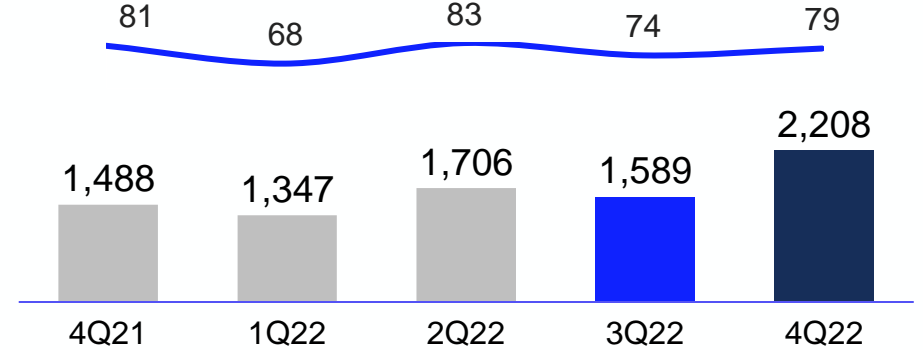
- ¹ Increase in SELIC and gross debt (acquisition of the Betim & Aveiro operations and issuance of debenture amounting R\$ 1 billion)
- ² Increase in the cash balance in Reais and higher interest rate
- ³ Exchange variation on balance sheet lines in foreign currency

WORKING CAPITAL

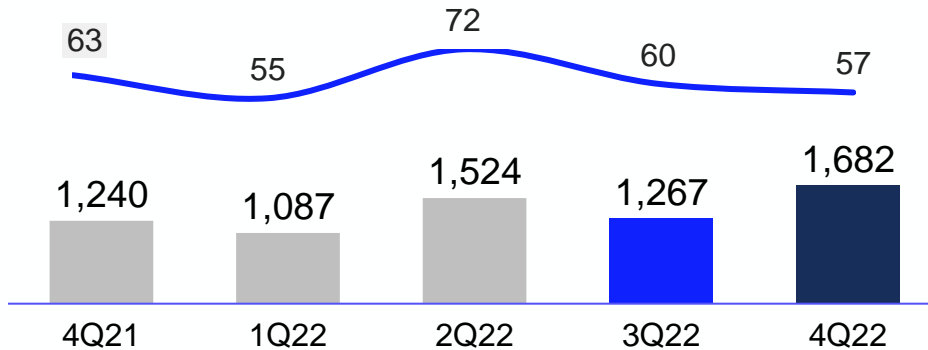
Accounts receivable [M BRL] and DSO [days]



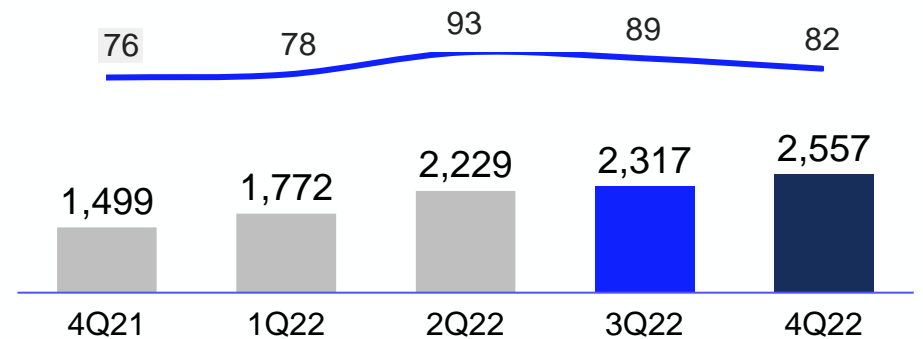
Inventories [M BRL] and DIO [days]



Accounts payable [M BRL] and DPO [days]

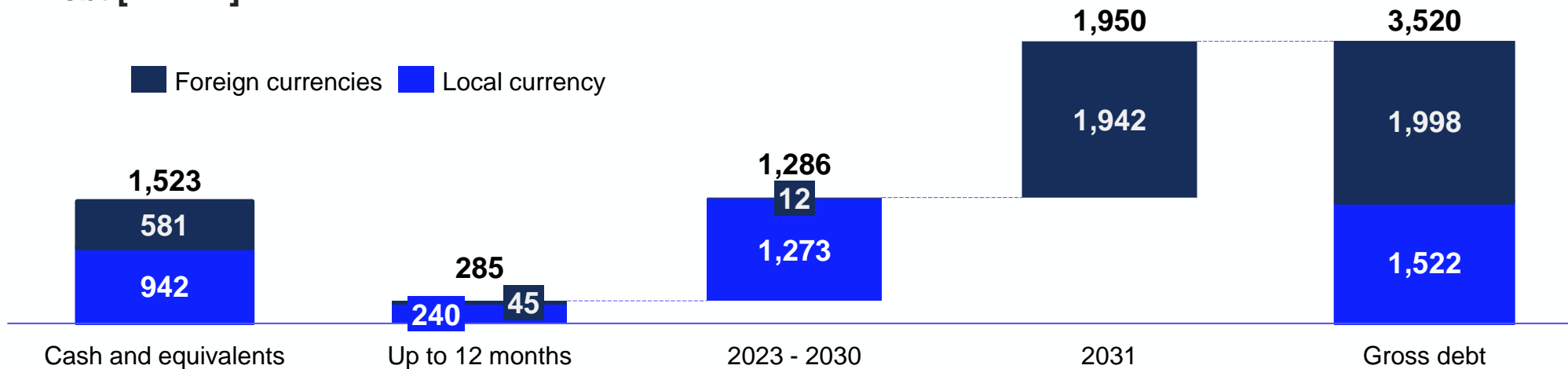


Working capital [M BRL] and CCC [days]

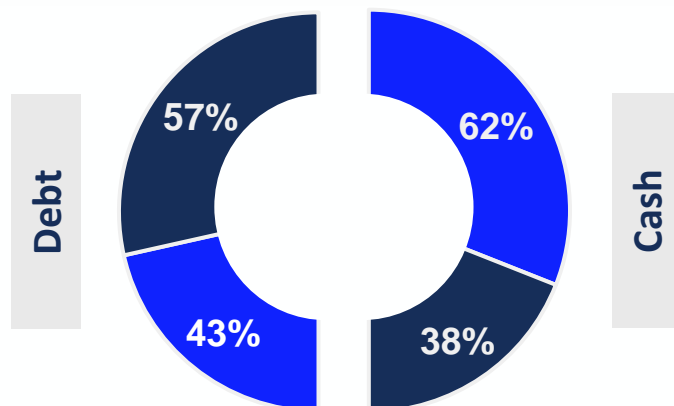


DEBT STRUCTURE – DECEMBER 2022

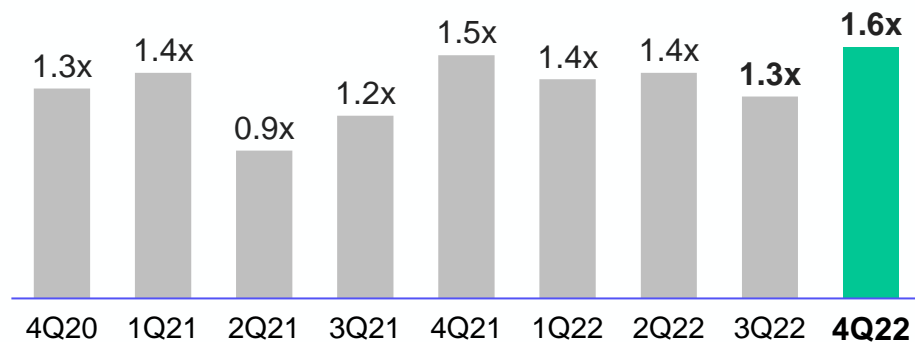
Debt [M BRL]



Currency breakdown [% total]



Net debt / Adjusted EBITDA LTM



TUPY



Agenda 2023

TRANSITION TO THE NEW TUPY AND RESILIENCE THROUGH MARKET CYCLES

Despite the recent advances, our plants present several opportunities for cost reduction and efficiency gains



Price realization and adjustments

Manufacturing Contracts (value creation):

Robust pipeline of negotiations

Mexico: increase in operational efficiency and purchase opportunities

Betim: improved productivity indicators and **production flexibility**; product allocation

Joinville: Complex alloys and services and new business lines (structural parts for agribusiness, commercial vehicles, and construction)

Cost control and organizational structure

MARKETS



MEDIUM AND HEAVY



OFF-ROAD



LIGHT COMMERCIAL AND PASSENGER VEHICLES

NORTH AMERICA

Robust fundamentals: Class 8 production

Order books full for the next 7-9 months

Non-residential construction sector on the rise

Residential construction affected by interest rates

Improvements in production capacity (semiconductors and other inputs), and possible mild recession

BRAZIL

Probable decrease on sale due to transition to a new emission-related technology and high interest rate

Record expectations for 22/23 crop

New investments in infrastructure

Inventory levels below 2019

Uncertainties from macro environment

EUROPE

Gradual recovery of production capacity

European players with positive perspectives for 2023

Perspective of flat volumes in 2023

Improvements in production capacity (semiconductors and other inputs), and possible mild recession

2023 AGENDA - VALUE CREATION AND NEW CONTRACTS



STRUCTURAL COMPONENTS



MANUFACTURING CONTRACTS



ENERGY AND DECARBONIZATION



DISTRIBUTION

➤ **Comparative advantages in costs and unique positioning** to capture outsourcing/nearshoring trends

- USMCA
- Regional production / Re-industrialization of Brazil and Mexico

➤ **New architecture** welcomed by current and potential clients: complementary business, technical qualification, R&D, and financial strength

➤ **MWM do Brasil's expertise** in machining and components assembly; potential for significant increase in EBITDA by unit

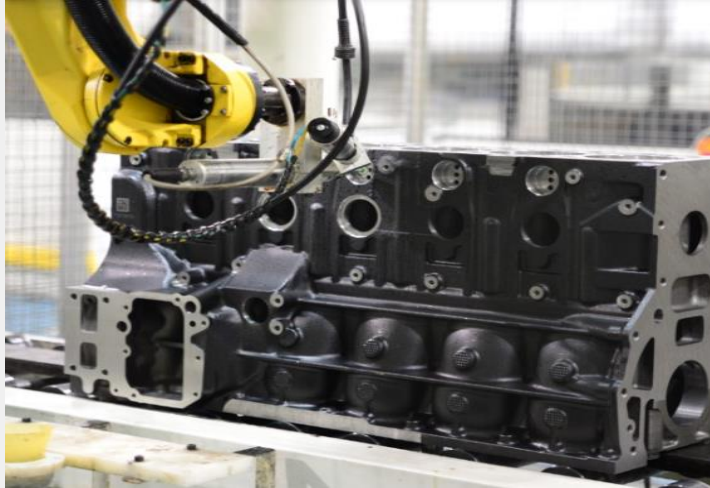
Casting vs. Full Machining and Assembly



Contract Manufacturing

Machining and assembly of third-party engines

ADVANCES IN THE VALUE CREATION STRATEGY



New Contract Manufacturing (Machining and Pre-Assembly) and Iron Casting Contracts

- Class 8 heavy trucks in the U.S. market
 - Increase market share in a segment with high volume and resilience
- LatAm pick-ups
 - Currently supplied by engines from other regions



Characteristics

- Initial term of 8 years (as of 2024)
- **Additional annual revenue: R\$650 million** on maturity
- Investments of around R\$340 million in 3 years

2023 AGENDA - DIVERSIFICATION AND WIDE MARKET POTENTIAL



STRUCTURAL COMPONENTS



CONTRACT MANUFACTURING



ENERGY AND DECARBONIZATION



DISTRIBUTION

➤ **Leader in the Brazilian genset market;** international expansion and widening of product portfolio

➤ Expertise in biofuels, engines and biotechnology to **offer complete solutions,** including the use of urban solid waste and agricultural waste for electricity generation and biofuel production



➤ **Bio-mobility: urban transportation, waste, logistics and agribusiness**



Complete Biogas Solution

Gensets
Biogas
Filtering
Biofertilizer

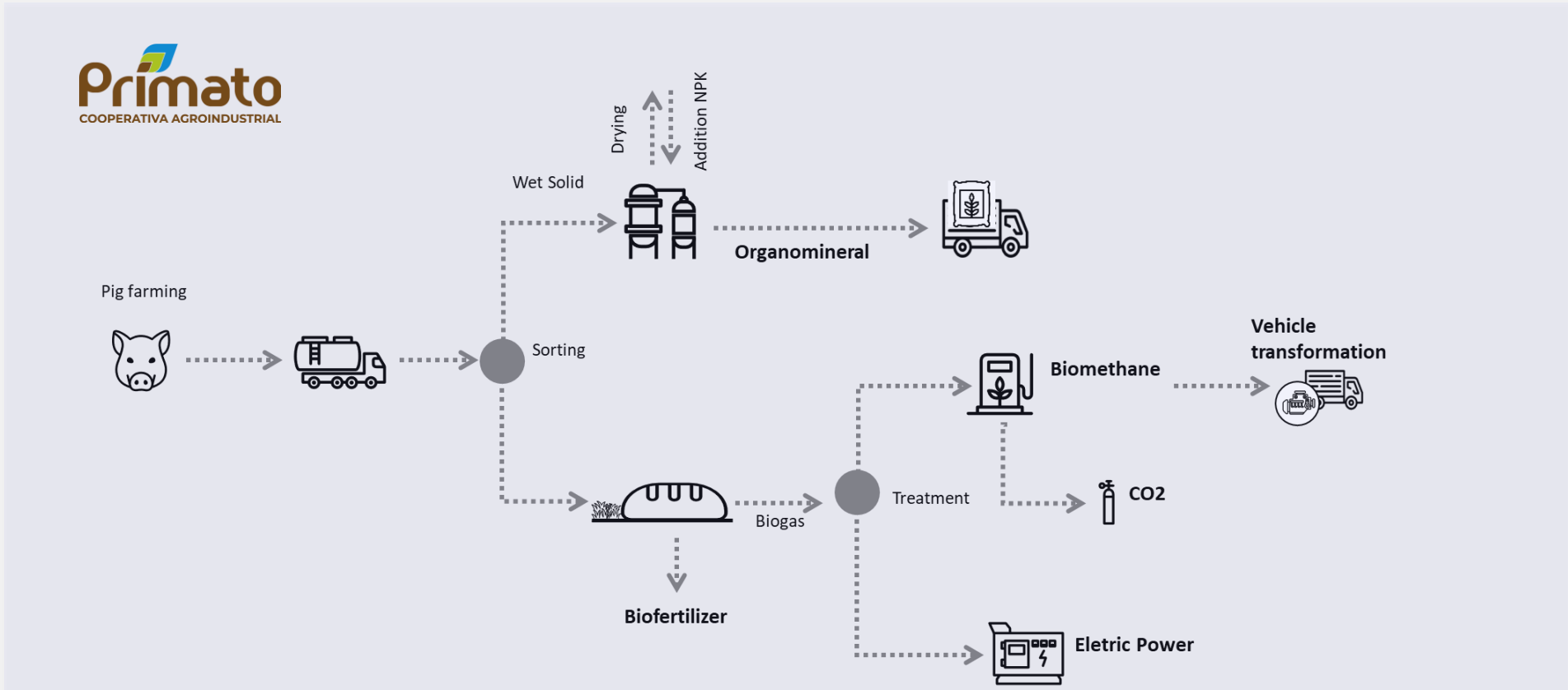


PARTNERSHIP WITH PRIMATO: COMPLETE AND SCALABLE SOLUTIONS



Complete solution for the use of waste arising from production processes.
Lower operating cost, increased productivity and reduced GHG emissions

Pilot project with 13 rural properties **(of a total of +9k cooperative members)**



2023 AGENDA - GROWTH AND PROFITABILITY IN A COUNTER-CYCLICAL MARKET



STRUCTURAL COMPONENTS



CONTRACT MANUFACTURING



ENERGY AND DECARBONIZATION



DISTRIBUTION



Wide distribution network

+1,400 points of sale; support for parts, gensets and maritime sectors

Around 500 accredited shops



~ **16,000 products** distributed

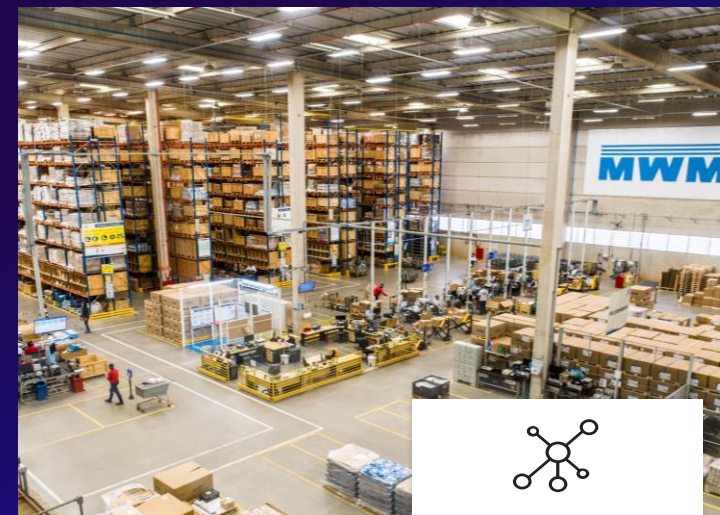


Tupy Synergies: heads and blocks



Expansion of products and channels

- Over **1,000 launches expected for 2023**
- Short blocks and multi-branding
- Increase international capillarity
- Closer to agribusiness



Distribution

Capillarity, portfolio expansion, and distribution of Tupy products

NEW ECONOMY COMPETENCIES

Innovation



Digital
Transformation



- ShiftT ended 1st acceleration cycle with **two startups** approved to scale; **85 enrolled in 2nd cycle**
- Open Innovation Portal with **90 proposed solution** and 6 proofs of concept being executed
- One of the **150 most innovative companies** in Brazil by Prêmio Inovação Valor

- **Advances in the capacity of data collection** and processing; application of solutions such as the MES Tupy
- Traceability project implemented in Joinville, **contributing with quality improvements**
- **MBI Fundação 4.0** - training of 50 employees in Betim and Joinville.

NEW BUSINESSES

Battery reuse and recycling



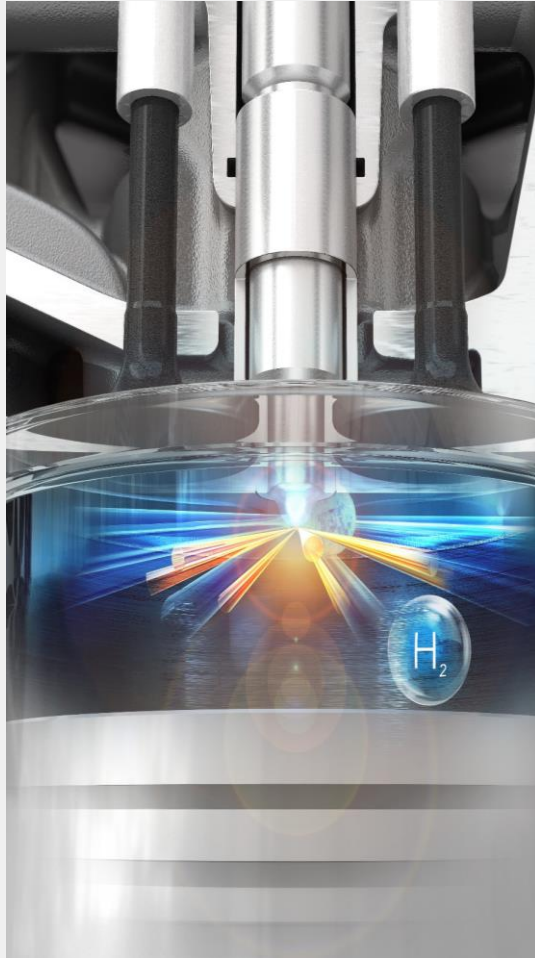
- Technological development advances to higher-scale evaluations.
- Promising results, with **recovery rates above 90%** for special minerals (Li, Ni, Co, Mn and Graphite)
- Opening of demonstration plant **planned for 2024**
- **Commercial discussions with potential clients**

Ultralight Iron Technology



- Engine block projects focusing on hybrid engines, especially ethanol-powered.
- **Application to other products**, such as cylinder heads for medium-sized vehicles, gear housing and clutches for commercial vehicles.

NEW BUSINESSES

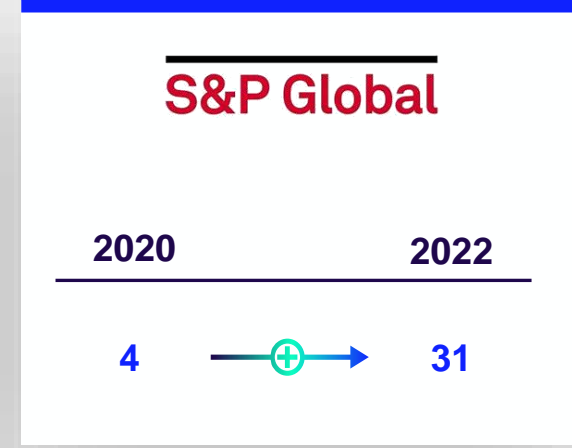
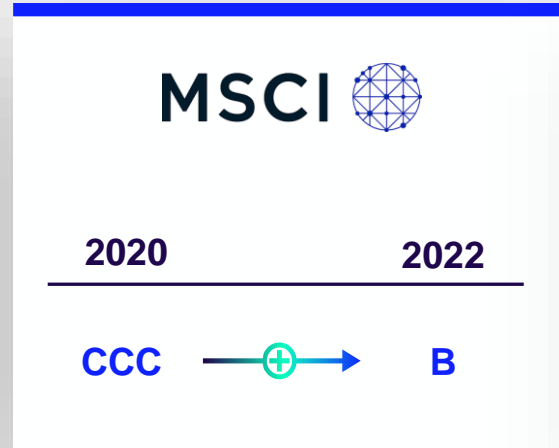


H₂ ICE – hydrogen internal combustion engine

- Recently, European Union emission regulation stated that **hydrogen internal combustion engines are considered as “zero emissions”**, same category as battery electrical and fuel cell vehicles
- Partnership with IPT to perform hydrogen embrittlement testing, with a view to developing alloys and materials that are hydrogen-resistant.
- Partnership with AVL and Westport: tests to increase the efficiency of hydrogen-converted engines
- **Support for clients’ projects of hydrogen-powered engines with highly resistant materials**

ESG: PROGRESS ON TRANSPARENCY

 SUSTAINALYTICS	MSCI 	 S&P Global	 CDP <small>DRIVING SUSTAINABLE ECONOMIES</small>	Bloomberg
Low Risk	B	31	C	45.8



Set up of the Sustainability Committee and continuous rating improvement, reflecting indicators that can be seen in the next Sustainability Report



THANK YOU

