

Energica Motor Company at a glance





Activity

- Italian Manufacturer of High Performing Electric Motorcycles and system integration for electric vehicles
- born in Modena in 2014 as a Spin-off of CRP Group,
 50 years of experience in the hi-tech industry (F1, motorsport, aerospace etc.)
- listed on the AIM Italia market since 2016



Operations

- 32,000 square foot HQ in the Italian Motor Valley (Modena)
- Actual production capacity of 500 units per year
- More than 50 people (20% female employees)

Value chain presidium

- **Design and R&D** for a continuous innovation
- Accurate selection of suppliers
- Assembly and quality control
- Distribution and marketing



Financials

- **FY 2020 Sales**: €6.0 m, +91% vs FY 2019
- Order book (as of 31 May 2021): 67% of sales in 2020
- Concluded capital increase successfully of Euro 15
 million whose Euro 11 million from Ideanomics,
 global company driving mobile energy
 transformation and the green fintech revolution
- Breakeven expected in 2022



R&D

- **INNOVATIVE SOLUTIONS** some of which already patented: VCU, Supply unit, e-ABS
- STRATEGIC PARTNERSHIPS with Dell'Orto, Octo Telematics, Total Lubrifiants and Mavel to develop new solutions and applications.
- SYSTEM INTEGRATION addons:
 - ✓ E-POWER: new Power Unit for small-size (4/11kW) and medium size (up to 30 kW) motors
 - ✓ Boats, vehicle to grid, and more



Sales Network

- 88 dealers/importers worldwide as of June, 2021 vs
 72 dealers as of December 31, 2020
- New agreements with major rental (Cooltra) and financing companies (Agos)
- Signed new **factoring agreement** with General Finance S.p.A. to finance the dealer network



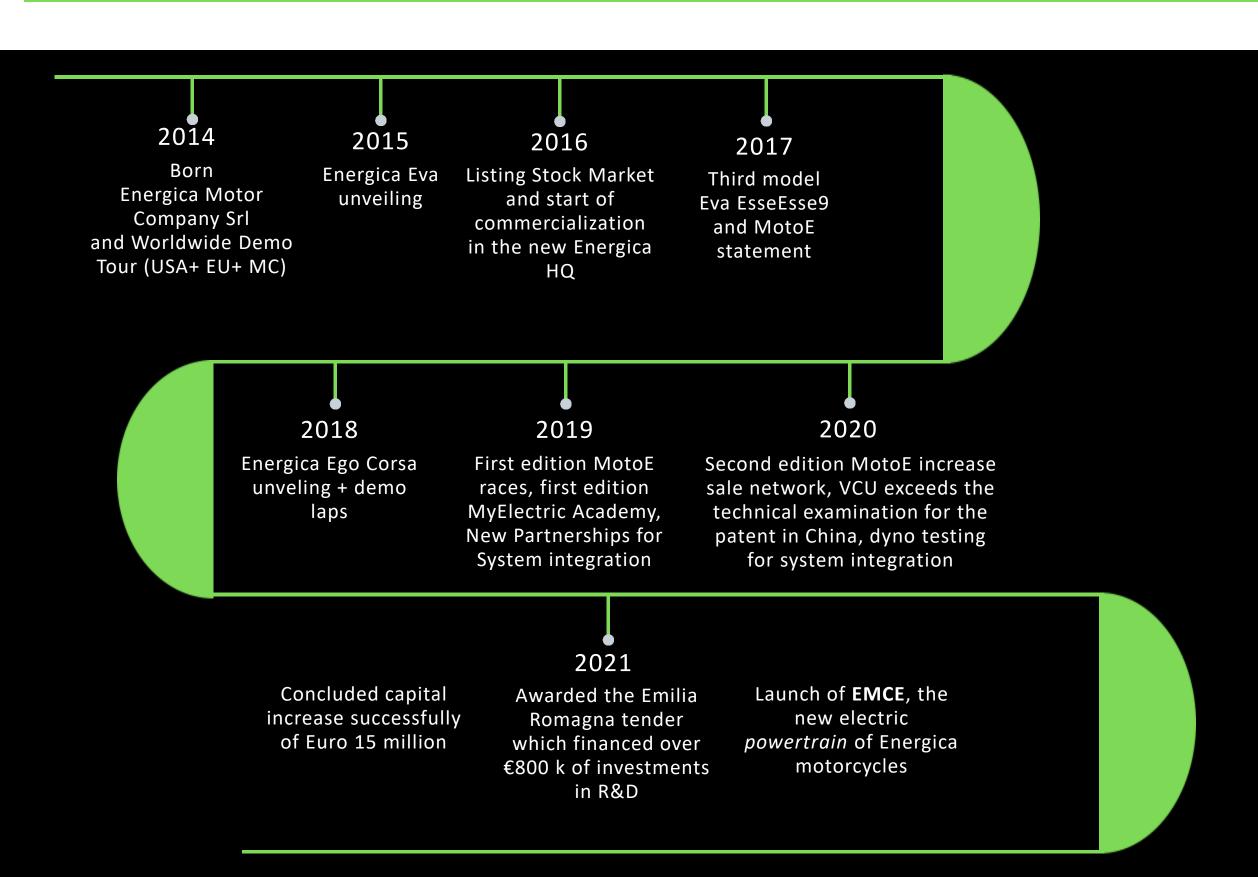
People & Sustainability

- Environmental Impact: creation of electric motorcycles with a fundamental role in fighting climate change.
- **Social:** professional development of people, equal opportunities, diversity, health and safety. Business model based on a network of suppliers, mostly Italian and local.
- **Governance:** experience, transparency, values and procedures to guarantee the spread of values inside the company.

July 2021 2

Milestones





"Born in the Italian Motor Valley to be the world leader of High Performing Electric Motorcycles and more with a focus on design, the most innovative and performing technological solutions and international growth."

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From IPO to date: executing growth strategy



INNOVATION & TECHNOLOGY LEADERSHIP

Continuous Innovation

- Innovative solutions, some of which **patented**: **VCU control unit**, **Supply unit**, **e-ABS**.
- DC Fast Charging technology based on CCS Combo
- MY2021 models: 5% lighter, more powerful (+7.5% for Ego and Eva and +10% for Eva EsseEsse9), increased acceleration (-7% sec. on 0-100km/h) and +200% higher urban riding range (400km)
- Record torque (215Nm) and power (107kW) levels for the EV market
- Thanks to FIM Enel MotoE World Cup, Energica can test and develop solutions in extreme conditions with the best world riders
- All solutions under testing for system integration in other markets

PURSUE INTERNATIONAL GROWTH

Over 80 dealers worldwide

- 88 delaers/importers as of June 30, 2021 (4 dealers in 2016)
- 16 new commercial agreement in 1H 2021
- Present in 4 continents and 29 countries

BRAND AWARENESS

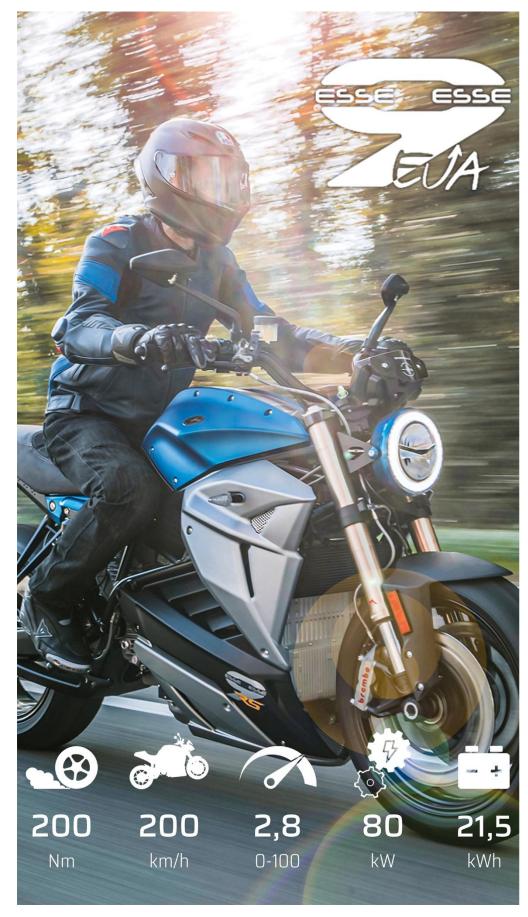
Single manufacturer for MotoE

- Energica is the single manufacturer chosen by Dorna (the company holding the rights of MotoGP and World Superbike) for FIM Enel MotoE™ World Cup 2019/2022
- Worldwide visibility: 400 ml people reached only on television; 700,000+ users reached inside MotoGP website; 2,5 + milion people engagement on social media; 24+ million video views
- Participation in the main world trade fairs for motorcycle and the electric mobility
- Over 330k followers on the official Facebook and Instagram page

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Energica MY2021: Top class supersport electric motorcycles









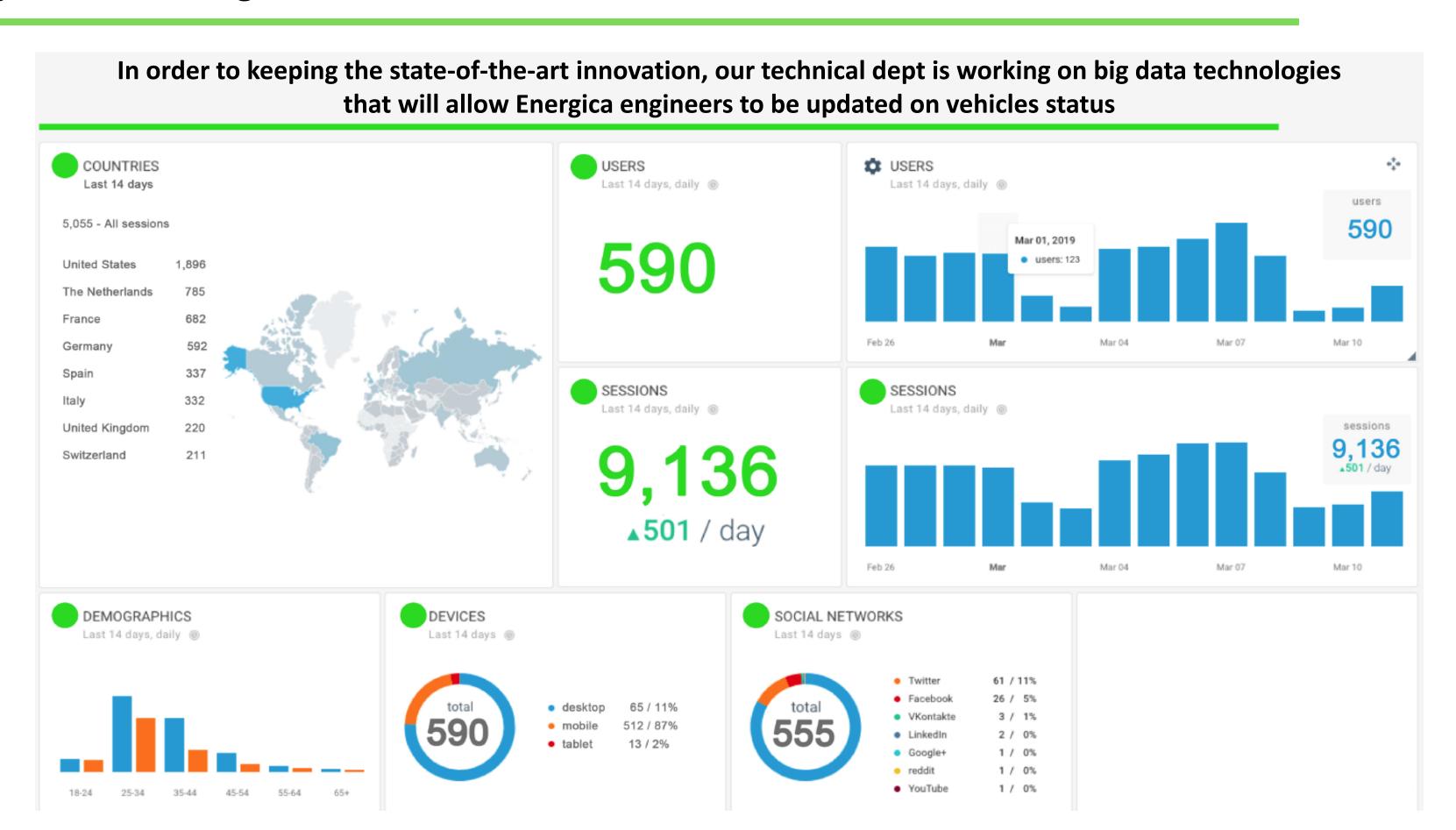
State-of-the-art Core Technologies





Big Data Technologies





EMCE: the new powertrain of Energica motorcycles



June, 2021 - Energica presents EMCE, the new powertrain created in co-engineering with the Italian Mavel

MAIN TECHNICAL ADVANTAGES:

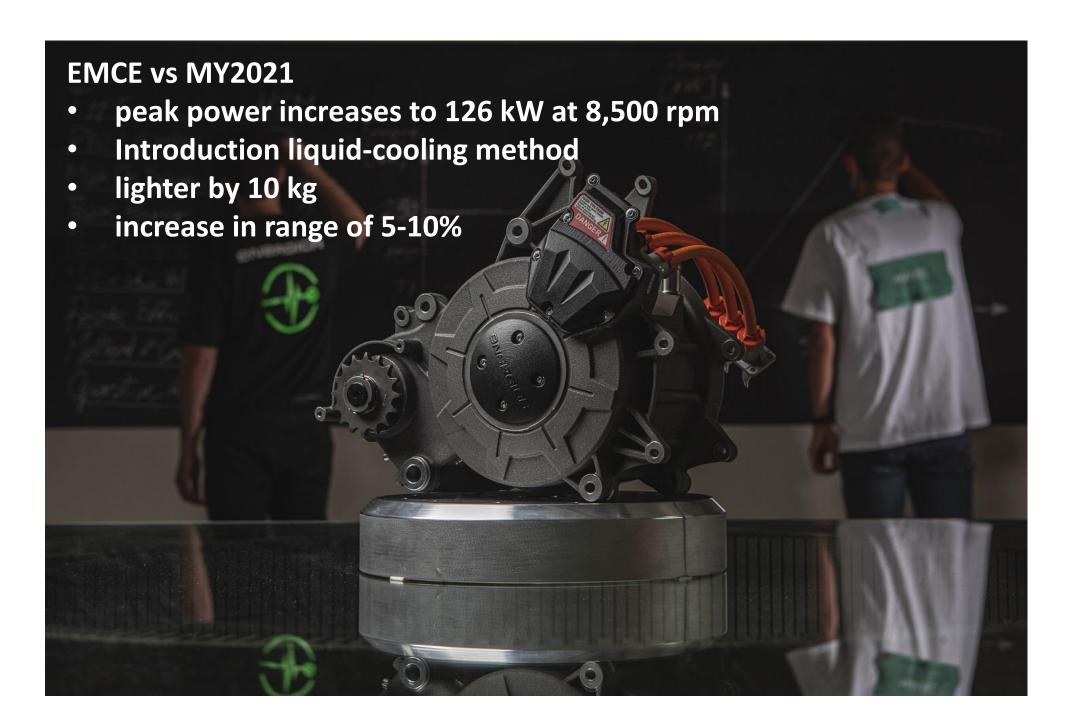
- Innovative rotor and stators' geometries that minimize energy losses and maximize performance.
- Innovative and patented cooling of the rotor capable of generating an internal flow of air that laps the magnets and cools them. This allows the engine to exploit its potential even at high speeds;
- Adaptive control algorithms that ensure that the inverter is always able to operate the system as efficiently as possible;
- Patented sensors capable, in addition, of collecting and storing the operating data of the motor to predict the onset of any mechanical failure.

VALUE CHAIN ADVANTEGES:

With the EMCE project, Energica enhance the "Made in Italy engineering" and generate a positive effect on a supply chain.

Thanks to local production in Italy, Energica shortens production times and avoids delays in the supply chain that are generating globally due to Covid. By anticipating the launch times of the new *powertrain* (initially scheduled for the end of 2021), Energica demonstrates the ability to respond promptly and proactively to external factors.

The EMCE engine will be available first in Europe and the United States, while in the APAC market will be available from autumn.

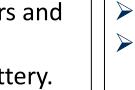


Energica Motor Company expertise in System Integration



Small size 2 wheelers mass production

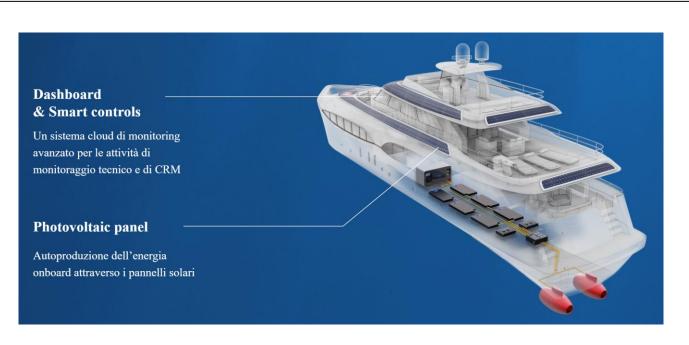
- ➤ Dell'Orto partnership to develop and produce powertrains for scooters and mopeds with power range from 4kW to 12 kW.
- > Systems will include Inverter, Vcu, DCDC converter and swappable battery.



Boats

- Support to Sealence startup in system integration for boats.
- Sealence is developing the electric jet DeepSpeed, the most advanced and efficient propulsion in the naval sector
- > Energica experience will boost up the development also in the marine field.
- In cooperation with University of Padova, University of Parma, University of Modena and University of Milano.





Other applications (under analysis)

- > Helicopters and aircrafts with italian leading company
- ➤ Second life battery charging system for sharing scooters
- ➤ Vehicle to grid/to appliance for emergency recovery plans (easy <u>video</u> for easy understading of complex events)
- ➤ Support to customize small productions (customization of petrol motorbikes, trikes, sidecars, dune buggies, karts...)

E-Power small 2 wheelers more in depth



Development and production of mechatronic solutions applied to propulsion systems on industrial scale. Product portfolio includes automotive components and engine management systems for motorcycles.

VCU - Vehicle Control Unit

- 2 riding modes
- Ride-by-wire management
- Coasting engine brake settin
- Extra engine brake setting
- Reverse mode
- Traction control
- Speed limiter option

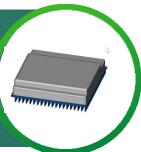




Inverter unit

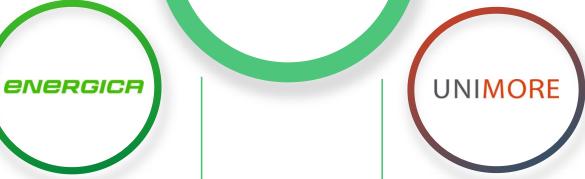
Conversion from battery DC to motor AC current 48V system Light and compact Eventual integration with the electric motor





For over 10 years engaged in electric propulsion on 2-wheel high performance vehicles (competition and road). In 2019-2021 Energica will be the exclusive supplier for the new FIM Enel World Cup, providing 18 motorcycles







- Scalable from 3kW to 6kW
- 48V system
- Light and compact

Leader in connected vehicle solutions for the Insurance, Fleet, Car Sharing, Automotive market. Operates worldwide as a Telematics Service Provider with end-to-end smart mobility solutions based on IoT technologies and Advanced analytics.



Telematics on Chip

- Bluetooth and NFC connectivity
- Sharing app (vehicle lock/unlock, positioning, driving data)
- Diagnosys app (powertrain and battery status)

Video ADAS Front: https://youtu.be/9mFGLWkQu7E Video ADAS Rear: https://youtu.be/hBv5-5 BYkU



ADAS – Advanced Driver Assistance System

- Intelligent speed limiter
- Forward collision warning
- Blind spot detection

Proactive in technology transfer projects to national and international automotive companies, industrial automation and high-performance embedded systems.

Innovative project with Cellularline and Alascom



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Energica is working with Cellularline and Alascom on an innovative project that can be easily adapted to any electric vehicle





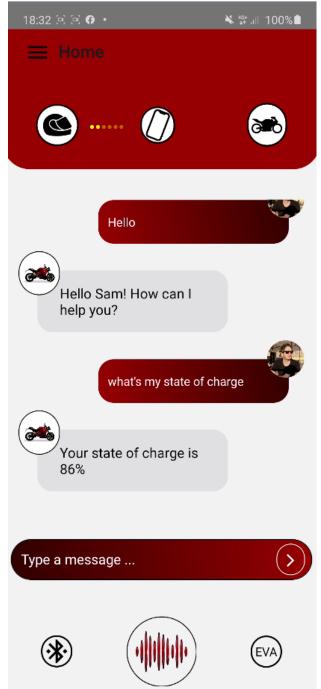
Cellularline is currently the leading European brand in the smartphone and tablet accessories market. Among its brands, Interphone, a communication device for motorcyclists.



Alascom has been operating for over 20 years in the ICT sector, with particular focus on telecommunication networks and IP technologies.







GOAL:

The project is aimed at developing a communication protocol between the Energica riders and Interphone products through the mobile phone.

The rider, through the Ok Google or Hey Siri function of his/her phone, can interact with the bike by asking for some information using the interphone.

The bike will reply by bluetooth and the rider

will be able to hear it through the interphone.

International Sales Network for motorcycles



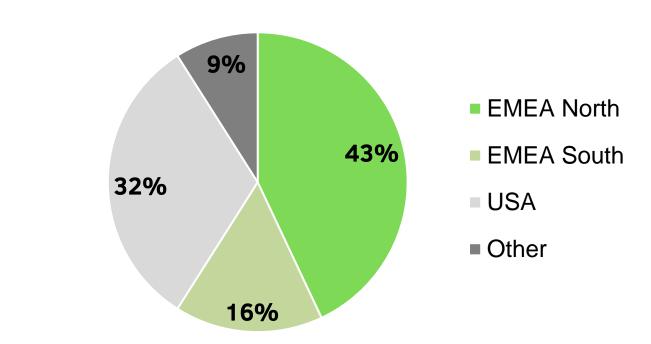
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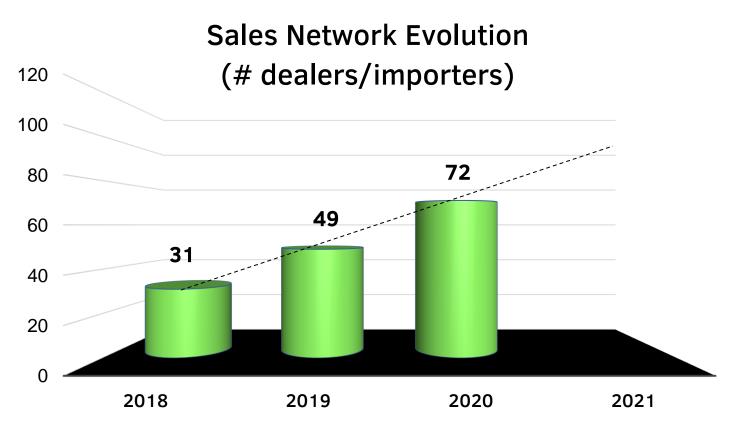
88 DEALERS AND IMPORTERS AROUND THE GLOBE

- 88 dealers/importers as of June, 2021
- 16 new commercial agreement in 1H 2021
- Energica Motor Company Inc., U.S. subsidiary for Energica Motor Company S.p.A. goal is to further grow U.S. and Canadian dealers according to actual growth trend.
- Asian Expansion: new agreements signed with Hong Kong and Japan
- China market entry strategy: 3 years road-map when ChaoJi protocol the next-gen ultra-highpower DC charging - will be operational



2020 Sales breakdown by geographic area







FIRST SUSTAINABILITY REPORT

Through the first **Sustainability Report 2019**, **Energica** illustrate not only its business model and financial results, but also to highlight how business management aims to **create a lasting sustainable value in favor of its stakeholders**.

The Report thus presented confirms the continuous research for innovation that distinguishes the Company and the willingness to offer answers on ESG (Environmental, Social, Governance) issues.



Environmental

Focus on eco-sustainability with the creation of electric vehicles - a product that in itself limits gases emissions - with a fundamental role in fighting climate change.



Social

Energica aims to ensure the development of people, equal opportunities, diversity, health and safety. Business model based on a network of suppliers, mostly Italian and local (42% less than 100 km away from the Energica HQ thanks to position within Italian Motor Valley), with approximately 80% of the volume of national origin components.



Governance

Focus on experience, transparency, values and procedures to guarantee the spread of values inside the company.

Environmental impact: Electric vs Traditional Motorcycle



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Ducati Panigale 1299

Horsepower = 175 HP @ 10,400 rpm Torque = 94 lb. ft. @ 8,500 rpm** MSRP = **\$19,995**

Range: 110 - 170 miles***



Energica EGO/EGO+

Horsepower = 150 HP @ 4,900–10,500 rpm Torque = 148 lb. ft. @ 0–4,700 rpm EGO MSRP = \$19,540 - EGO+ MSRP = \$23,870 Range: 112 – 250 miles









A Summary of ZEM Savings

\$297 in annual savings \$1,486 in five years

\$675 in annual savings \$3,375 in five years

12 metric tons of CO₂ prevented annually 60 metric tons prevented in five years

\$972 in annual fuel/service savings \$4,861 in five years fuel/service savings 60 metric tons of CO₂ prevented

\$961 Overall annual Savings w/MSRP Included (EGO+) \$5,301 Overall 5 years Savings w/MSRP Included (EGO+)

Ducati Panigale 1299

.11 cents per mile

\$339 = Cost/Leisure \$1,178 = Cost/Commuting

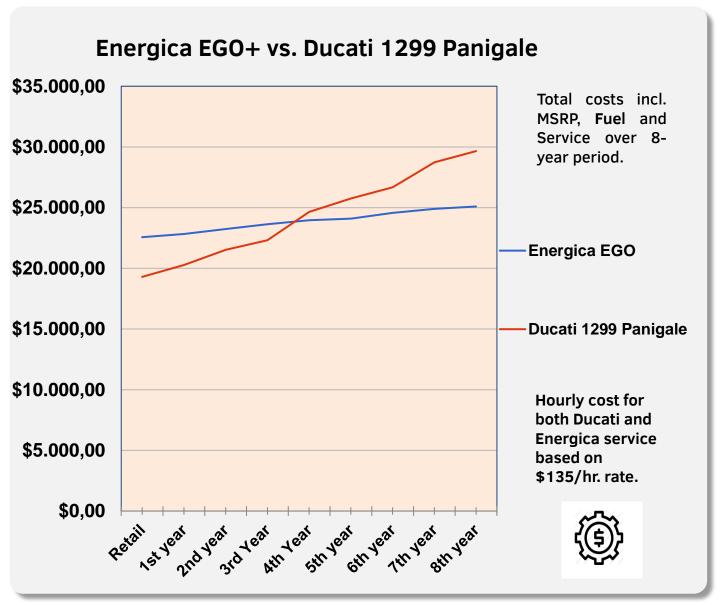
\$1,696 = Leisure/Five Years \$5,890 = Commuting/Five Years

Energica EGO/EGO+

0.015 cents per mile

\$45 = Cost/Leisure \$156 = Cost/Commuting

\$225 = Leisure/Five Years \$780 = Commuting/Five Years



 $[\]hbox{* Two-year motorcycle warranty for motorcycles both brands; three year Energica warranty for battery.}$

Source: Company analysis

^{***} Source: insella.it (Unibeta srl)

MotoE: a unique competitive advantage



Growing brand awareness Energica is the single manufacturer for Fim Enel MotoE World Cup

Unique competitive advantage

Thanks to the innovation and reliability of its motorbike, Energica was chosen by Dorna as single manufacturer for the FIM Enel MotoE™ World Cup.

Energica bring their know-how on the stage of MotoGP, relishing the electric power of their state-of-the-art Ego Corsa. The R&D department was committed on this bike, working on driveability on the track, and track specifications.

With MotoE, Energica is the only one who can test solutions and innovations in extreme conditions with the best world riders.

Brand Visibility Boost, a huge Impact

- 400 ml people reached only on television (MotoGP streaming, Sky Italia, Beln Sport, Canal+)
- 700.000+ users reached on MotoE section inside MotoGP website
- 2,5+ million people engagement on social media
- 24+ million video views

Confirmed single manufacturer until 2022

08 October 2020: Dorna Sports announce that Energica will remain the single motorcycle supplier to the FIM Enel MotoE™ World Cup until 2022, with a contract extension ensuring the Italian marque's cutting

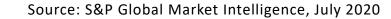


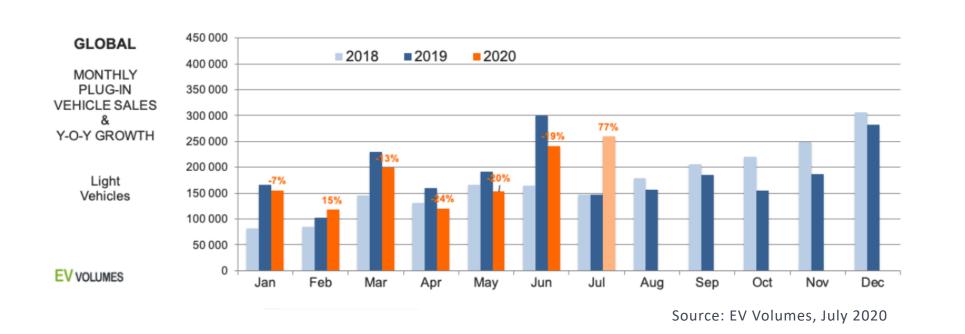
EV Market





Global passenger electric vehicle sales to rise to 6.2 million units by 2024, almost 3 times higher than 2019





Europe is the beacon of EV sales in 2020 with 57 % growth for H1, in a vehicle market which declined by 37%. The rapid increases of EV sales started in September 2019 and gained further momentum this year.

In USA, the sales of EVs followed the overall market trend.

EV Volumes, July 2020

In contrast with EV rise, "traditional" 2/4 wheels global brands continue to report a significant drop in sales worldwide for the first half of 2020.

Electric car sales are expected to run better than the overall passenger car market, with EV sales this year to broadly match the 2.1 million sold in 2019.

Source: International Energy Agency

Investors are growing excited about the possibilities of EVs exploding over the next decade. Shares of Tesla nearly quadrupled this year. Smaller EV makers have done even better, seeing their stock prices rise fivefold.

Source: Fortune

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Tesla is "back on track" to deliver 500,000 cars this year despite the COVID-19 pandemic, and it could ultimately deliver 1 million units per year by 2023.

In 2019, Tesla delivered approximately 367,500 vehicles, 50% more than the previous year.

Source: Business Insider, July 2020

High-Performance Electric Motorcycle Market





A booming market +35% CAGR during 2019-2024

Global High-Performance Electric Motorcycle Market



Trends



Batteries weight

decline key to

sales pick-up.

Energica MY2021

5% lighter

E-scooters and ebikes key part of the micro-mobility rise.



7,084 electric motorcycles and 24.691 moped registered in EU in 1H2020, +47% increase (ACEM reports)

Source: Technavio, May 2020

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Charging station network



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OIL GIANT TOTAL ACQUIRES LONDON CHARGING NETWORK

Total acquired <u>Source London</u> from the French <u>Bolloré Group</u>, which also operates electric car-sharing services

GOAL: to build a network of 150,000 charging stations in Europe by 2025



IONITY

Increasing number of charge station across Europe +60 fast charging station only in Italy 2019-2020

IONITY

a joint venture between BMW, Ford, Mercedes and Volkswagen with Audi and Porsche aims to build a network across the continent.



CHARGE STATION

high power 350 KW



CREDIT CARD PAYMENT

Easier to pay without subscription

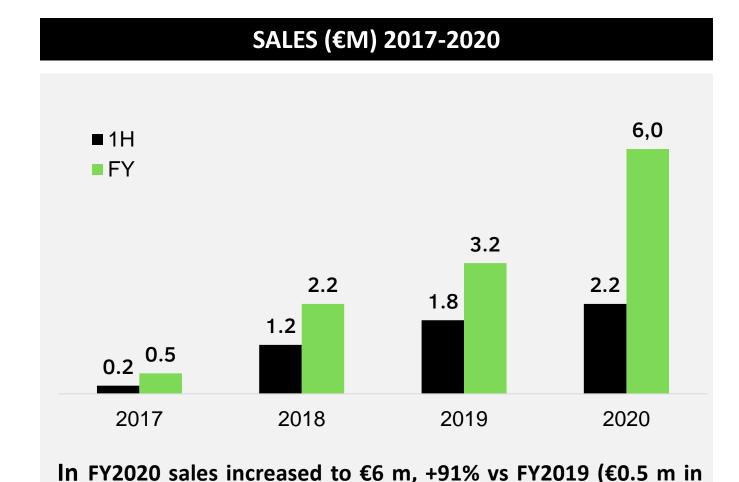


LESS TIME

Less time for full charging

Financials, Business Plan 2020-2022 and recent events





2017)

ORDER BOOK

Order book: as of 31 May 2021 equal to 67% of the total motorcycle sales in FY2020

CAPITAL INCREASE

On 5th March, Capital increase successfully concluded with a raising of Euro 15 m, whose Euro 11 m from Ideanomics, global company driving mobile energy transformation and the green fintech revolution, listed on Nasdaq, as a strategic investor

RECENT EVENTS

- Registered the trademark in Japan
- The VCU (Vehicle Control Unit) exceeds the technical examination for obtaining the patent in China
- Factoring agreement with General Finance to finance the dealer network
- Commercial agreement with Cooltra Motos
 Italia for the short and long term rental service
- •Investment plan for production cost saving thanks to significant growth of the portfolio -2% saving from first 6 months of 2021 to more than 19% by the end of 2021
- Energica presents EMCE, the new electric powertrain created in co-engineering with the Italian company Mavel

BUSINESS PLAN 2020-2022 GUIDELINES

On January 16th, 2020 (before the COVID-19 pandemic period) Energica approved the 2020-2022 Business Plan:

2020 Sales2022 Sales2022 EBITDA+100% only bike revenues
vs FY2019> €20 mAchievement positive EBITDA

EBITDA Trend: 2019 – 2022 motorcycles only



2022 >1,4M Chademo 1% Floorplan 8% New models 9% Mktg/ MotoE 15% New dealers 19% Existing sales network 48% Cost efficiency Margin from from volumes increased volumes EBITDA trend 0M Cost efficiency from investment 2-20% on BOM

2019 -5,8M

Clear Strategy to Unlock the Next Phase of Growth



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Sales Network

for motorcycles



- Selective extension of sales network
- Financial schemes to support dealers and distributors
- E-commerce

Operations



- Automation of production lines to support sales and drive cost efficiencies for battery assembly, to be sold to third parties also
- IT and tooling investments for logistics and supply chain to reduce BOM and grow margin
- New warehouse
- Investment plan of €2.2m (€1.9m to the R&D Dept.) to optimize production, technology and vehicles performances.

R&D



- Competitive advantage through R&D on core technology to keep leading the way across various markets
- MotoE as driver for product innovation
- Continuous improvement of manufacturing technology to decrease bill of materials cost and grow margins

Ecosystem



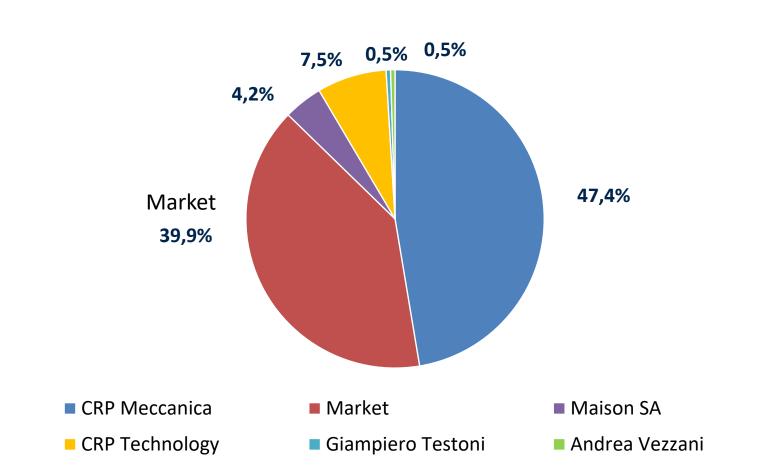
- CRM, customers engagement, social media
- Strategic partnerships with companies engaged in the developments of smart and green technology for electric vehicles

Shareholders and Governance



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Shareholding Structure



Board of Directors

Ing. Franco
Cevolini
Chairman

Dott. Andrea Vezzani *Executive Director*

Ing. Livia Cevolini CEO Dott. Giampiero
Testoni
Executive Director

Dott. Gian Carlo
Minardi
Independent Director

Management Team

Chairman

Franco Cevolini

- Chairman of Energica Motor and Board of Directors Member of CRP Holding subsidiaries
- ~25y experience at high demanding manufacturing industry (special alloys and additive manufacturing)

CEO

Livia Cevolini

- CEO of Energica Motor and head of the Energica project since 2009, previously head of Marketing & Sales of CRP Holding
- More than 10 years experience at high demanding manufacturing industry

CFO

Andrea Vezzani

- **CFO** of **Energica Motor** since 2006
- Previosly Financial Controller at McDonald's Development Italy Inc. and Think3
- ~5 years experience as Financial and Management Controller for companies in the retail industry

CTO

Giampiero Testoni

- CTO at Energica Motor since 2010
- Over 20 years experience in motorcycling. He contributed to registration of all Energica patents
- Previously Racing DepartmentManager at CRP Racing

