



F E N R I S
M O T O R C Y C L E S





ABOUT FENRIS



BRIEF

We are one of the first in the electric high-performance motorcycle segment.
We are the young company that saw a mega trend and stuck to it, while no one believed in it.

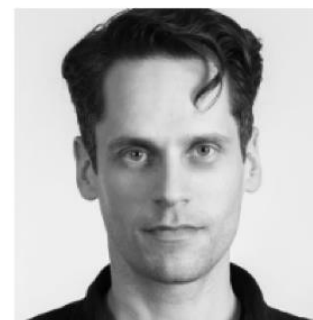
OUR VISION AND GOAL

We are here to outperform gasoline motorcycles on all parameters, by applying new technology.

2-year goal: We are bringing a fully US & EU type approved superbike to market by 2022
By 2023 adding a luxury touring bike + full motorcycle range.

PERIOD OF CHANGE

What have happened in the car industry over the past 10 years is changing mobility as a whole, and the electrification of the car industry is spreading into the motorcycle world.



JESPER VIND
CEO

Has a background in anthropology and cosmetics & pharma R&D.
Built his first motorcycle at the age of 8 and took first steps to start Fenris Motorcycles back in 2010.



BJARNI FREYR
CTO

Has a background in power plant design.
Did his masters on electric motorcycles and has led Fenris Motorcycles R&D since the inception in 2012.



ANDERS LYNGE
DESIGN DIRECTOR

Has 12 years experience as designer and constructor of electric vehicles for golfing and leisure. One of these vehicles was developed for Daimler.


G A R I A
GOLF AND LEISURE CARS

DAIMLER



This type approved vehicle was designed and homologated by Fenris' co-founder Anders Lynge, in collaboration with Gorden Wagener (Chief Design Officer) and Daimler AG.



ABOUT FENRIS | PROFESSIONAL BOARD OF DIRECTORS



EX TESLA DIRECTOR JOINED FENRIS' BOARD IN 2019

We are honored to have former Director of Business Development at Tesla, *Peter Bardenfleth-Hansen*, as Chairman of the Board.

Peter joined the board of directors to assist Fenris Motorcycles with its global go-to-market roll out as well as providing guidance on the international distribution and marketing strategy.





WHO IS FENRIS | HONORS & AWARDS



Fenris Motorcycles won the European Venture Contest Final in December 2018



Fenris Motorcycles is a Horizon 2020 company recognized by the European Commission



Fenris Motorcycles is a research partner in the EU Funded S2W program, which mission is to improve motorcycle safety in Europe



ENGINEERING

BENCHMARKS

- RL 150 RR delivers max torque from zero rpm – ICE motorcycles needs apx 6000.-8000 rpm to deliver max torque
- As battery packs get more energy-dense the total weight of future Fenris models will be reduced further
- Easy to change gearing to optimize top speed or acceleration
- RL 150 RR will have a quicker and more smooth acceleration than its ICE competitors
- Future Fenris models with upgraded battery pack will outperform any ICE superbike on range
- Cost per service of the Fenris is lower than ICE bikes due to fewer moving parts



1299 Panigale

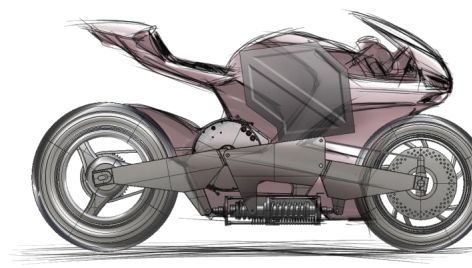


RL 150 RR



EGO

Power	150 kW (200 hp)	150 kW (200 hp)	96 kW (130 hp)
Torque	144 Nm	250 Nm	195 Nm
Weight	190 kg	200 kg	285 kg
Top Speed	286 km/h	240 km/h	240 km/h
Acceleration [0-100 km/h]	3.3 sec.	2.9 sec.	3.4 sec
Acceleration [0-200 km/h]	7.6 sec.	6.3 sec.	7.2 sec.
Range	265 km	250 km	190 km
Service	Every 5.000 km	Every 15.000 – 20.000 km	Every 15.000 – 20.000 km
Connectivity	NO	YES	NO
Safety	ABS + Traditional	ABS + Rider Assisting Algorithms	ABS only
Individual Setup	Limited	Significant	Limited

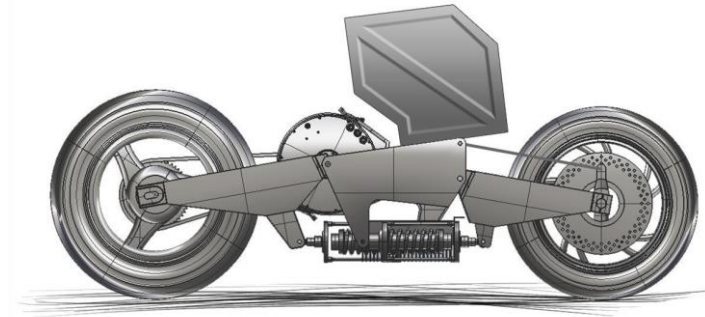
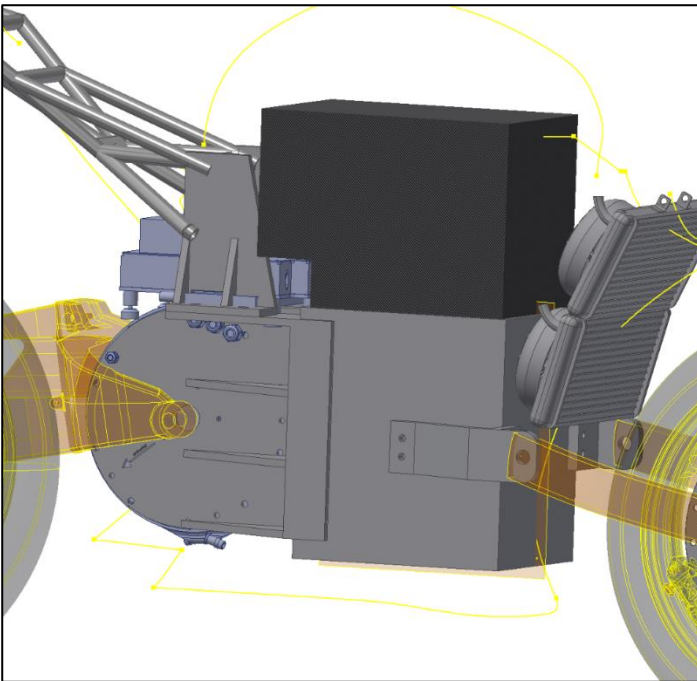




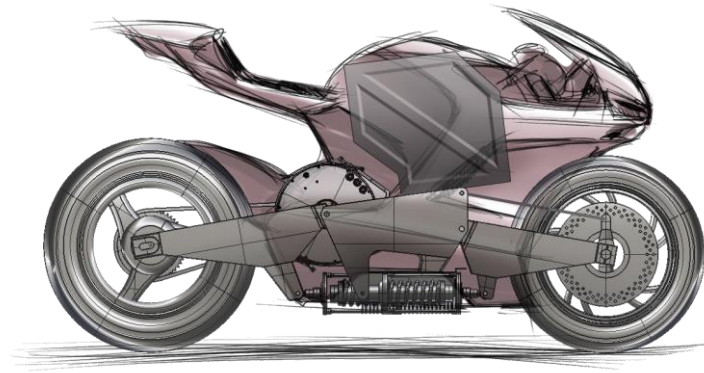
PLATFORM SOLUTION

Fenris Motorcycles' modular design makes it possible to have multiple motorcycle types on the same chassis platform. This lowers time to market for later models, lowers R&D cost by having the Chassis and all key components as interchangeable parts.

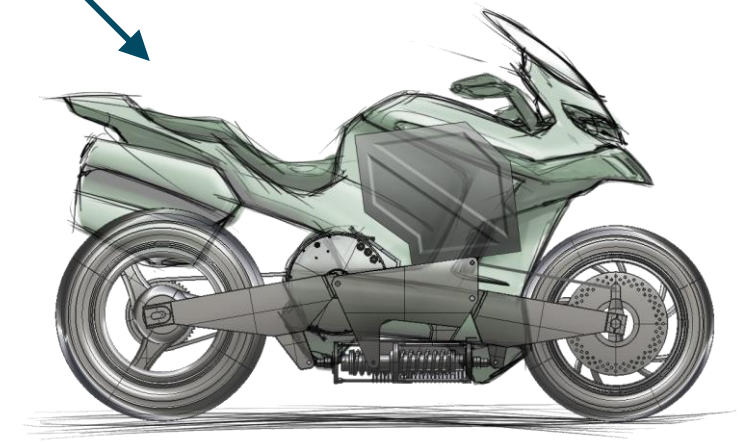
The Platform Solution is a turn key factor to rapid scaleup and product mix expansion.



THE FENRIS PLATFORM



MODEL I: SUPERBIKE



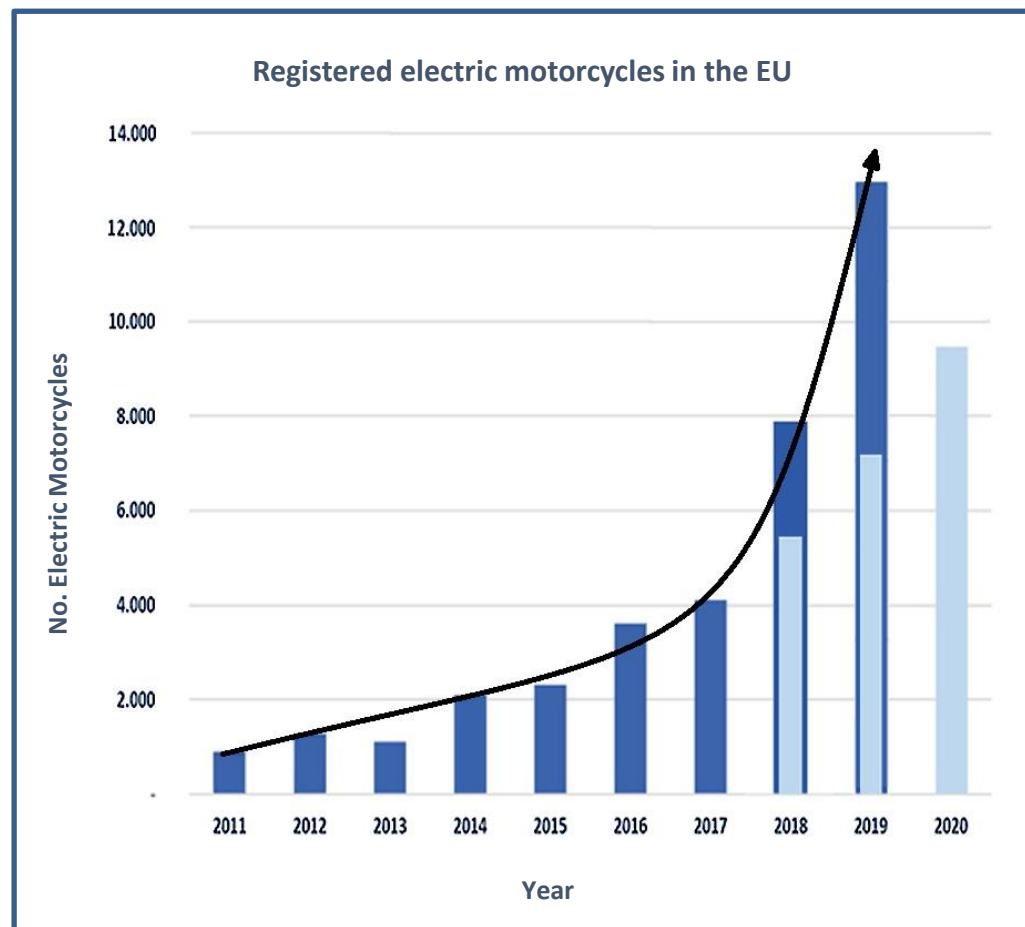
MODEL II: SPORT TOURING



MARKET | ELECTRIC MOTORCYCLES

REGISTERED ELECTRIC
MOTORCYCLES IN THE EU *

PROJECTED REGISTRATION OF
ELECTRIC MOTORCYCLES IN THE EU **



*Data from European Association of Motorcycle Manufacturers (ACEM)

** Data from IdTechEX's report "Electric Motorcycles and Three Wheel electric Vehicles 2015 - 2025"

Annual growth of
70%
Electric motorcycles

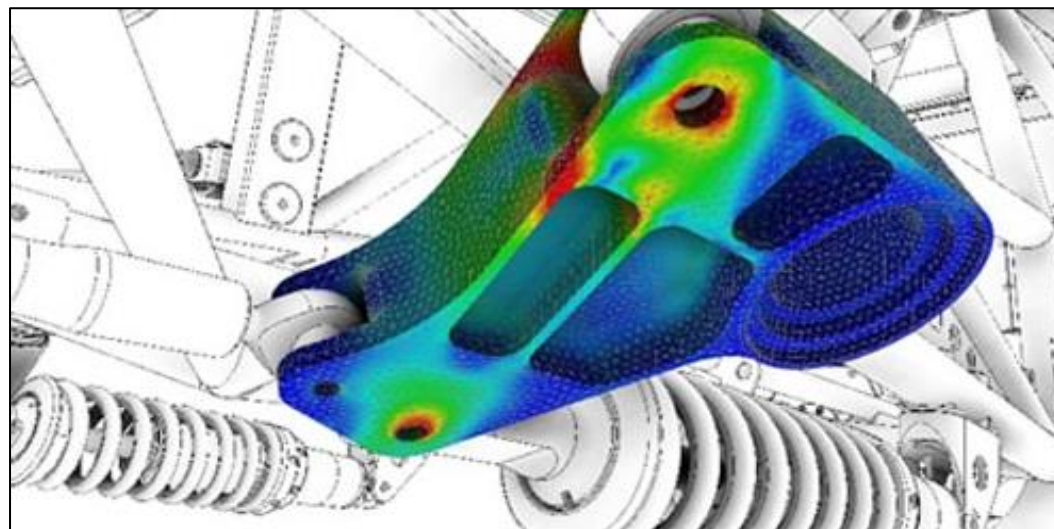
Annual growth of
10%
ICE motorcycles

By 2020
1%
of registered
motorcycles are
electric



COLLABORATIONS AND KNOWHOW

The timing of our project makes it possible to work with big OEM suppliers in all fields. Validating our project and paving the road to success.



Lean Angle Sensor
(Safety Control System)



Vehicle Computer
(VCU)



Brake System



ABS System



Battery Pack



Electric Motor





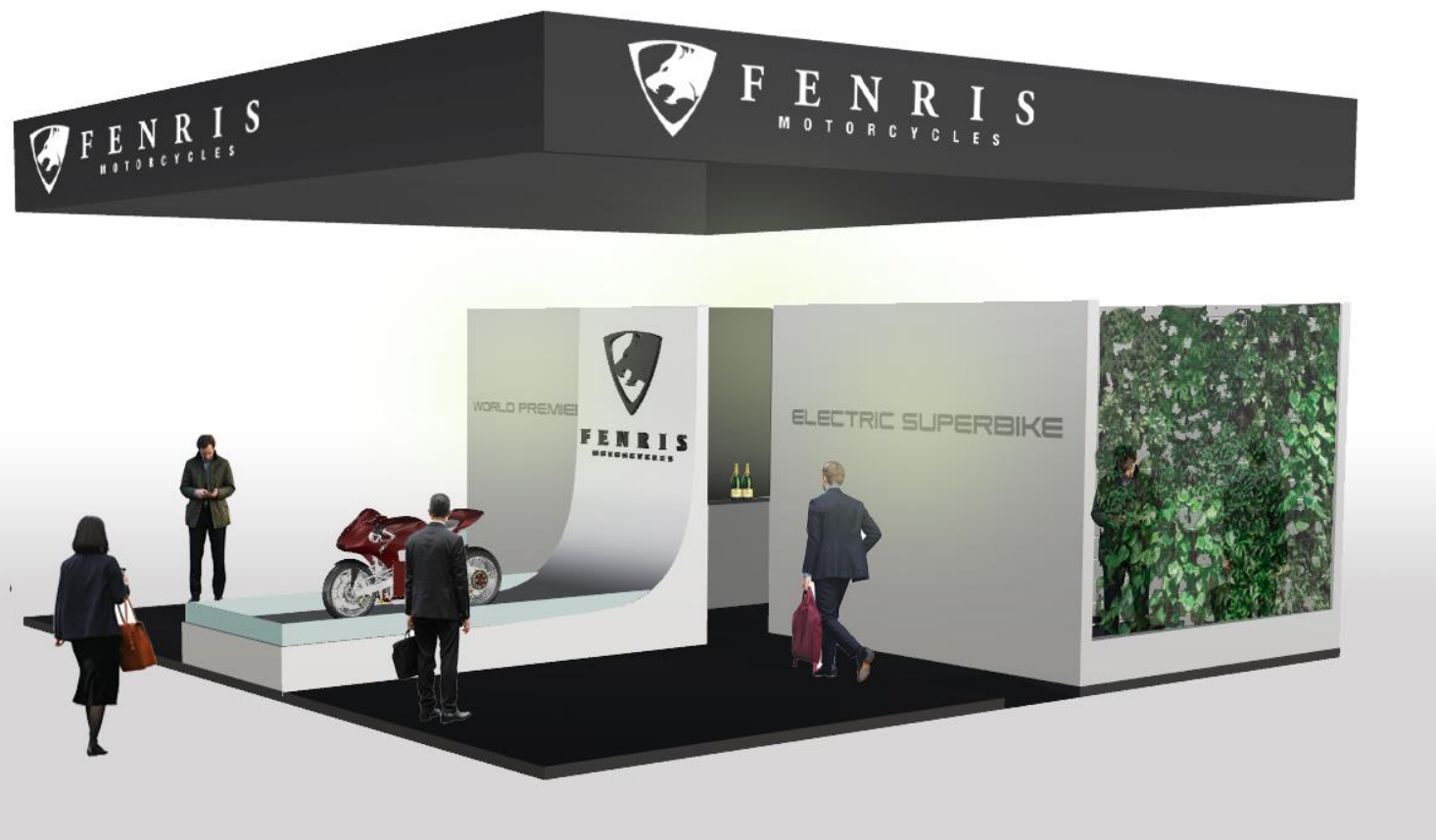
START OF PRODUCTION | Q1 2022

- We have dialogue with a certified production and assembly facility
- This facility will be able to scale up Fenris' production, up to 5.000 units/year (expected in 2027)
- We know the price point of production, and know the organisation
- We know that the facility can deliver in time, and manage strict quality control
- The facility is already building electric vehicles in the same type approval classe as the Fenris Motorcycle





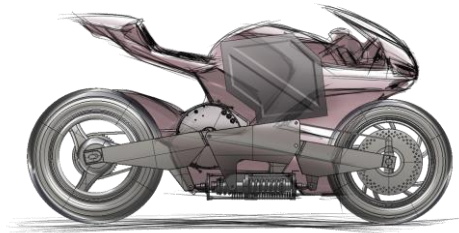
PRODUCT LAUNCH | EICMA 2021



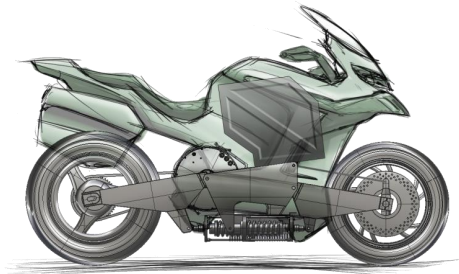
EICMA
ESPOSIZIONE
MONDIALE
DEL MOTOCICLISMO



COMPANY GROWTH PLAN, POTENTIAL EXIT OPTIONS & TIMING

FAST SCALE UP

2022 | MODEL I: SUPERBIKE



2023 | MODEL II: SPORT TOURING

IPO

NEWS

Energica IPO Set for January 29th on AIM Italia Index

BY JENSEN BEELER - 01/27/2016 - 4 COMMENTS



It looks like Italian electric motorcycle maker Energica has finalized the details of **its initial public offering of stock** on London's **AIM Italia** stock market.

EXIT TO ESTABLISHED PLAYER

NEWS

Harley-Davidson Invests in Alta Motors

BY JENSEN BEELER - 03/01/2018 - 73 COMMENTS



We bring you big news this first day of March, as Harley-Davidson has announced its strategic investment in Alta Motors, which will see the two American companies co-developing two new electric motorcycle models.



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