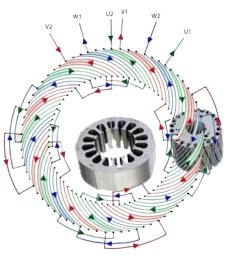




Innovative Character of the Underlying Technology



- Electric motors without permanent magnets
- Direct power transmission without gearbox
- High efficiency up to 97%
- Up to 50 % increased range
- Individual designs for each application



All this is based on the use of the latest winding technology:

Combined Star-Delta Windings



Advantages at a glance

- 30 % lower production costs
- No use of rare earths
- Robust and low on maintenance
- High torque over the whole speed
- No rolling and braking resistance
- Unbeatable worldwide energy saving





Application areas

1. Energy Production

- Wind energy
- Water energy

3. Industrial enterprises

- Machines production
- Machine tools
- Electrical hand tools
- Pumps
- Explosion-proof motors

2. Drive technology

- E-Cars
- E-Bikes
- E-Boats
- E-Aircraft
- E-Locomotives







Our experience

- Many years of experience in development
- Developments for public and private companies
- More than a hundred registered patents
- During the last five years developed and implemented dozens of the latest generation of electric motors and generators















Improving the performance of electric vehicles



 Only the change in the windings of the electric motors has improved the following parameters:

- Torque 50 % more
- Range 25 % more
- Max. Speed 10% more
- Acceleration 30 % better



Average power consumption smaller as 9 kWh per 100 km E-Car with 85 kWh can drive 800-900 km



Lower production costs as a result of less material consumption

Project Azipod

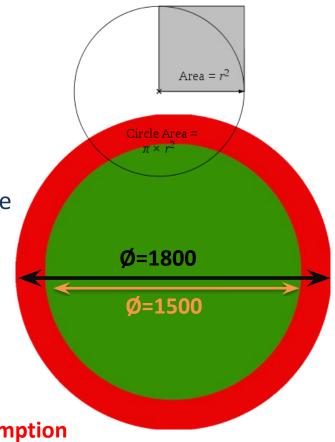


Our calculations show the ability to reduce the motor size from diameter 1800 mm to 1500 -1400 mm.

1800 - Circle Area=2544690 mm²

1500 - Circle Area=1767146 mm² - **43**%

Ø 1400 - Circle Area = 1539380 mm² - 65% less material consumption



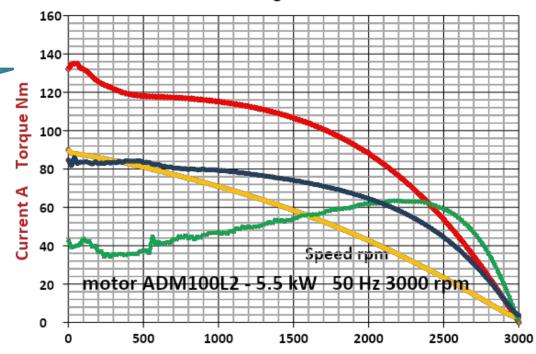


Now is about a new class of electrical machines

- Torque Nm modified motor
- Current A modified motor
- ★Torque Nm original motor
- Current A original motor



To bring these motors to the world market we are looking for a strong strategic partner



Original	P, kW	rpm	eff %	M _{max} /M _n	Weight, kg
ADM100L2	5,5	2850	88	2,4	35,0



Benefits and cost reduction

Benefits for investors

- Huge market for electric motors
- Short payback period
- Perspective of extending the cooperation to other areas

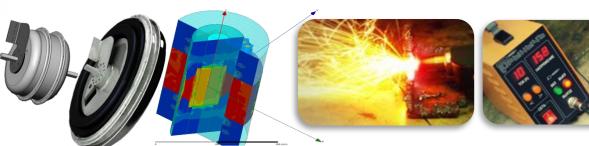
Benefits for producers

- Up to 30 % lower production costs as a result of less material consumption
- Increased energy efficiency
- Possible introduction the of the new technology without changing the production lines





Our fields of activity and further opportunities for cooperation

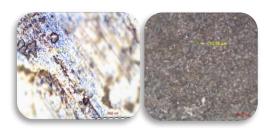








Electronics & Lighting



Diamond Coatings





New Energy Strategy

Development of high-efficiency electric motors of the new generation for industry

Development of high-efficiency electric motors of the new generation for E-Car

Development of high-efficiency electric motors wind and water energy

Development of effective batteries



