

The word is changing

- More people
- Having more electrical devices
- Consuming more electrical energy
- Internal combustion engines getting banned
- Battery power getting cheaper and lighter

It's the perfect timing !

For smaller, lighter more
efficient electric motors and
generators !

Efficiency of motors and generators

Limits the entire global energy production, energy consumption, and the transition to renewable energy

The market is huge

- **90%** of global electricity production, is generated in electric generators.
- **40-50%** % of the total global electricity production, is subsequently used to drive electric motors.



A problem from 1880s

The most widespread system for controlling motors and generators is limited by 130-year-old technology.

The 3-phase, 3-wire system

- Invented in the 1880s by Tesla and Doblowski.
- Requires analog (sine) signals
- Has limited power output
- Has Limited thermal efficiency

(A technical description of these limitations can be downloaded at dopti-research.dk).

A solution from 2022

*A new **fully digital principle** for creating the rotating magnetic field (RMF) needed to operate motors and generators.*

Invented in Denmark

- Covered by 3 patents
- A proof of concept model has been developed
- Higher power output for same motor size
- Or same power from smaller, lighter cheaper motor
- Better thermal efficiency than all known systems
- Fully digital; smaller & cheaper electronics
- Less torque ripple than all known systems

Business plan

Main business plan; License of rights to use the underlying patents to manufacturers

Step 1

Contact

- Contact venture capital firms & manufacturers in each industry (electric motors, electric cars, generators, pumps, wind turbines, etc.).
- Offer to demonstrate **proof of concept** model.
- This enables Manufacturers to verify performance & savings

Step 2

Attractive first mover contract

- Ultra Low start-up fee.
- Guaranteed return of investment in less than 3 years.
- Minimum 1% extra profit margin throughout the period.

Step 3

Expansion

- Sales team
- Patent law team
- Critical mass; Other companies will have to follow the first movers in order to maintain their ability to compete with them.

Example 1

Wind turbine

- 30-40% savings on generator and electronics.
- 10-15% savings on cooling system.
- Extra savings on tower and foundation.
- The savings amount to at least 1% of the total cost price.
- Savings gives min. 1% extra profit margin.



+ 1% Profit margin

Market USD 100 B, GAG 6 %



+ The wind turbine produces more energy.

Example 2

+1,3 % Profit margin

Market USD 200 B, GAG +17%

Electric vehicles

- 30-40% savings on motor and electronics.
- 10-15% savings on cooling system.
- Extra savings on suspension etc.
- The savings amount to at least 1.3% of the total cost price
- Gives approx. 1.3% extra profit margin.



+ The car weighs less and has a longer range

Example 3

Motors & Pumps

- 30-40% savings on motor and electronics.
- The savings amount to 5-25% of the total cost price
- Savings gives 5-20% extra profit margin.

+5-20 % Profit margin

Market USD 200 B, GAG 5-10 %



+ The motor or pump uses less energy and can be sold more expensively.

Conclusion

Producers' motivation to introduce the technology is large

- Increased earnings and profit margin.
- Fast return of investment.



+ The solution also benefits the environment

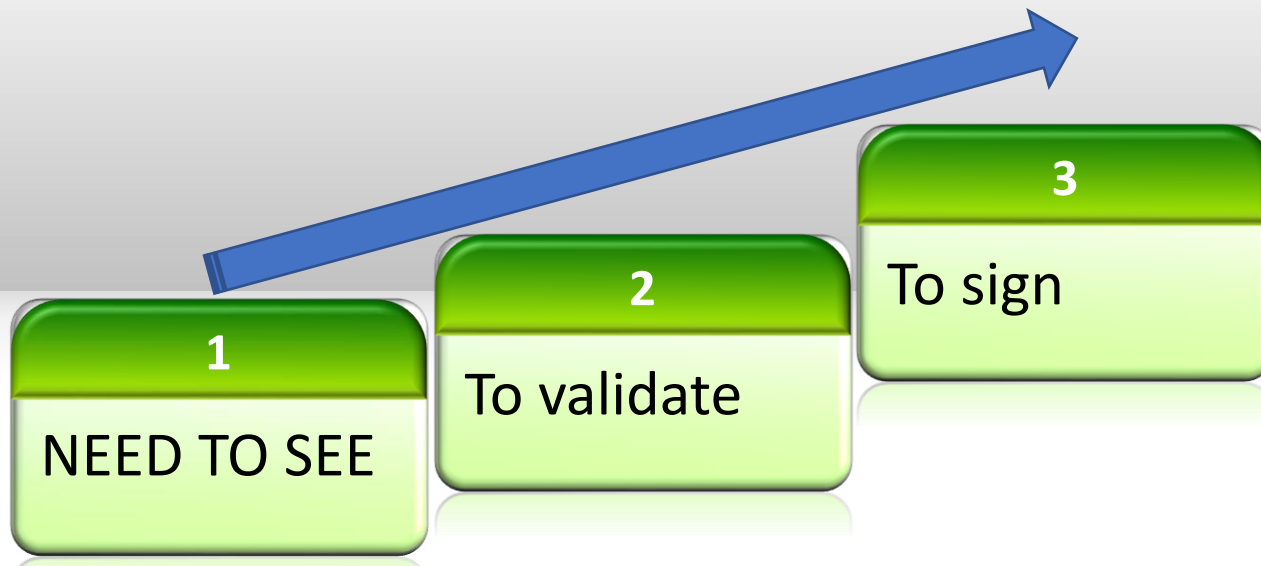
The biggest obstacle and how to overcome it

Theory alone doesn't work;

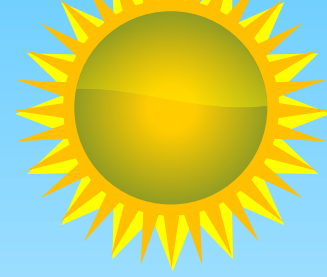
The new principle is radically different from the 3-phase principle, which is why most professionals are unable to validate it until they see it in action. Software typically also needs to be reprogrammed to be able to calculate and model performance.

Models; To overcome this obstacle, a set of proof of concept models has been created, which can be demonstrated “on site” to interested parties.

Seeing is believing; The model has proven much more effective than 50 pages of theory, so far, the professionals who saw the model understood the principle immediately.



Get in touch!



Meet the inventor in person

- Request a free demo of the proof of concept model.
- Or Sign up for a free seminar to learn more about this exciting new principle.
- Check out the website www.dopti-research.dk
- Mail to Per Kristian Olsen:
Kontakt@dopti-research.dk



A new future

Is *all about* solving old problems



▶ Per Kristian Olsen

▶ Dopti-research.dk

- ▶ Inventor since childhood
- ▶ 39 years experience in Electronics
- ▶ 6 years experience in independent RD