

## Hybrid vehicle partners wanted for simulation.



### *Simulation tool available for hybrid vehicle product development*

- Simple-to-modify model for vehicles and mobile heavy equipment
- Calculations for fuel consumption and potential savings for vehicle working cycle
- Comparison of traditional & hybrid vehicle performance
- Development of control systems
- Payback time calculations

### Drive! Project team

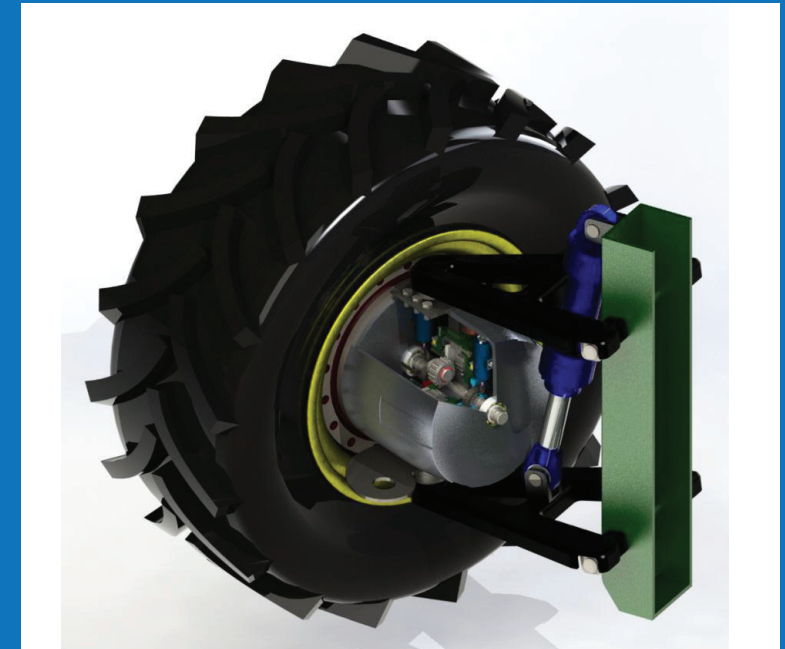


### Contact us:

Saimaa University of Applied Sciences  
Project Manager  
Simo Sinkko  
simo.sinkko@saimia.fi  
+358 400 269823  
Lappeenranta, Finland

[www.facebook.com/driveproject](http://www.facebook.com/driveproject)

## Innovative Traction Motor with extended operational area



# Drive!

*Strong and Fast*



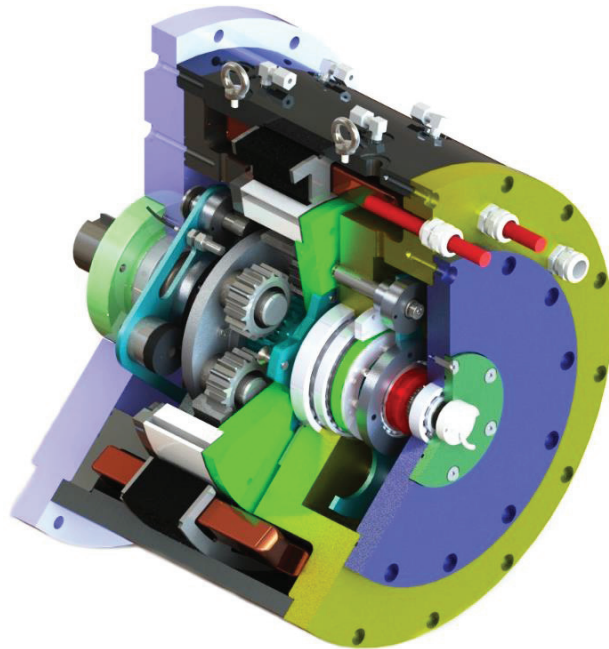
Tekes

## NOVEL SOLUTION

*Drive! motor keeps going when normal motors' features dry up. We put together efficient electric motor and two-speed transmission into a very compact package!*

### Patent-pending solution

- PM tooth coil machine with oil cooling
- Gear selection with electric actuators
- No sliding clutches



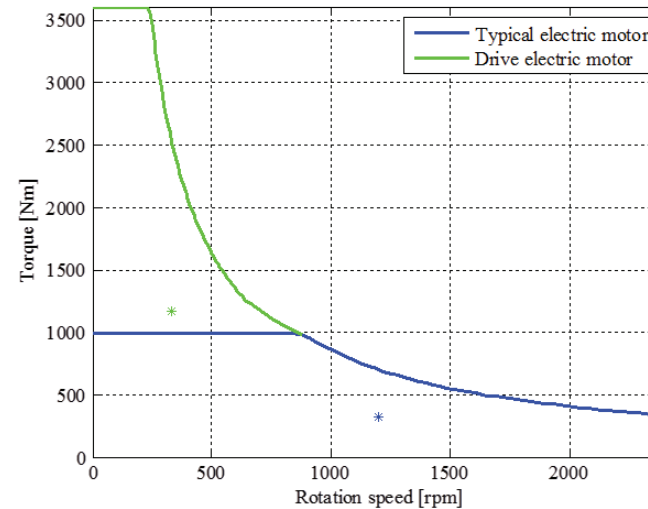
## BENEFITS

*No need to compromise electric drivetrain design.*

*Ideal conditions for:*

*High speed on road  
and  
High torque in low speeds*

*More diverse end-use applications  
for electric drive trains.*



## HYBRID SOLUTIONS FOR

- Heavy equipment manufacturers
- Transportation
- Construction
- Agriculture
- Forestry
- Mining



### DRIVE! project 2014-2016

- Technology project ongoing
- DRIVE! motor is in prototype phase
- Market research for DRIVE! motor
- Hardware-in-the-loop simulation
- Target is start-up company