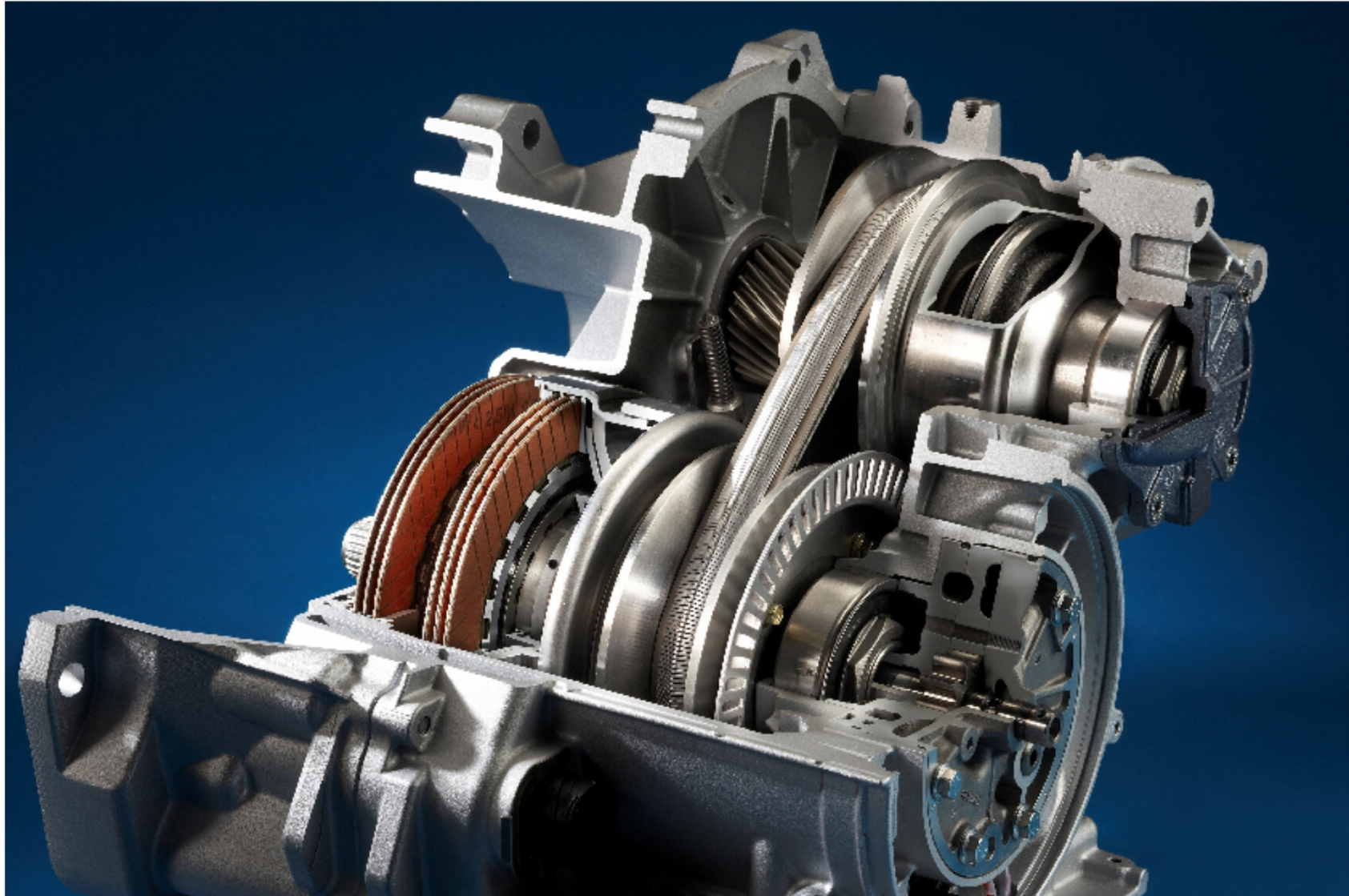


# Front Wheel Drive Automatic Transmission VT2

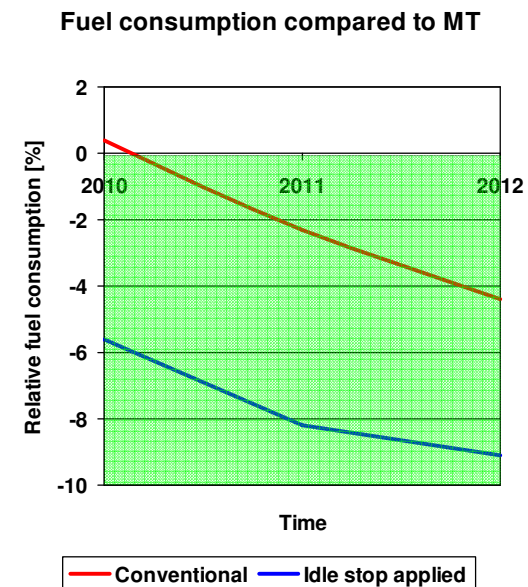


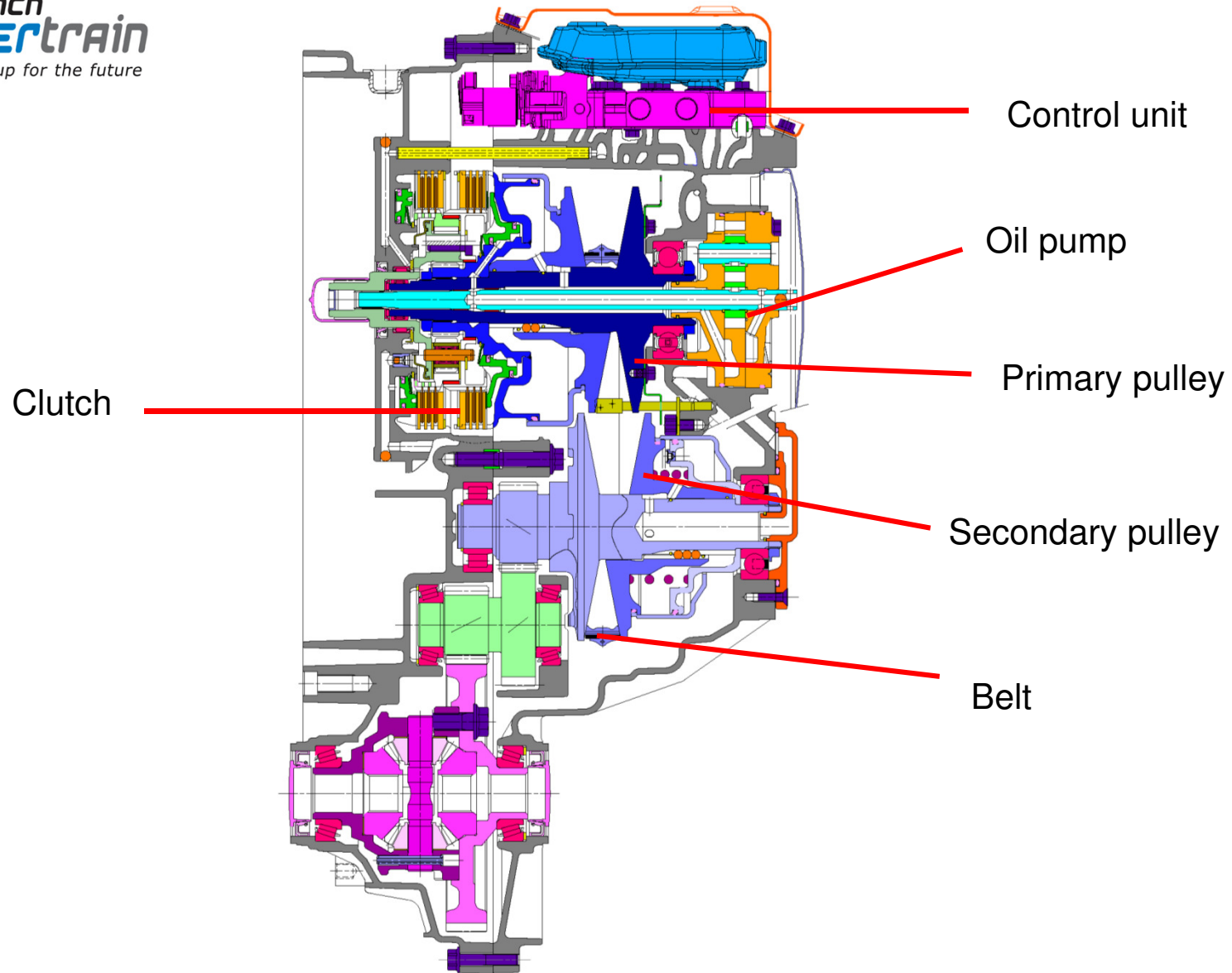
# VT2 Comfort

- Perfect shift behaviour due to the belt/pulley concept
- Total flexibility in control strategies
- State-of-the-art software functions available e.g. :
  - adaptive functions for compensation of lifetime effects
  - diagnostics like OBDII
  - driving strategy features like:
    - warm-up mode after cold start
    - uphill / downhill recognition
    - tip mode / sport mode / economy mode

# VT2 Fuel efficiency

- Best in class fuel economy (fully capable for Euro V, ready for Euro VI)
- Specific control features for improved fuel economy
  - Optimised clamping control
  - Minimised clutch drag at standstill
    - Clutch control
    - Idle stop functionality available
  - Warm up mode at cold start
  - Economy drive mode
- Suitable for conventional powertrains and hybrid powertrains with pancake E-motor
- Low transmission weight (highest torque to weight ratio in its class)





# VT2 Technical Data Sheet

## Transmission type:

Automatic transmission for passenger cars  
Continuously variable front transversal

## Oil pump:

Gear type pump  $V_{geo}$  10.3 cc  
 $V_{max}$  not applicable

## Capacity and speed range:

$T_{max}$  = 186 Nm @ 4200 rpm  
 $P_{max}$  = 98 kW @ 6000 rpm  
 $N_{engine}$  = 800 rpm – 6000 rpm

## Constant gear ratio (depending on application):

Standard 5.76  
Options include 5.36 & 6.10

## Main distance:

Engine – differential = 187 mm

## Differential:

Type: Internal gearing  
Spline: Reference diameter 24.34 mm, 23 teeth

## Clutch:

Wet plate launch clutches for Drive  
Wet plate launch clutches for Reverse

## Shift lever positions:

P R N D  
S or L optional

## Variator:

Low (minimum, theoretical) ratio: 0.443  
OD (maximum theoretical) ratio: 2.416  
Ratio coverage: 5.45  
Center distance: 155 mm

## Control unit:

Electro-hydraulic  
Stand alone TCU  
Adaptive driving  
Diagnostics

## Belt type:

VDT 24/9/1.5

## Transmission weight

Dry transmission: 54.0 kg  
Oil included: 57.4 kg  
Delivery weight: 54.9 kg  
Weights can vary per application



# VT2 dimensions

- Total length over primary shaft 343.3 mm \*
- Total length over secondary shaft 351.5 mm \*°
- Centre distance from crankshaft to differential 187 mm

\* Measured from RFOB, engine design will influence this value

° Shorter distance possible at higher cost

