

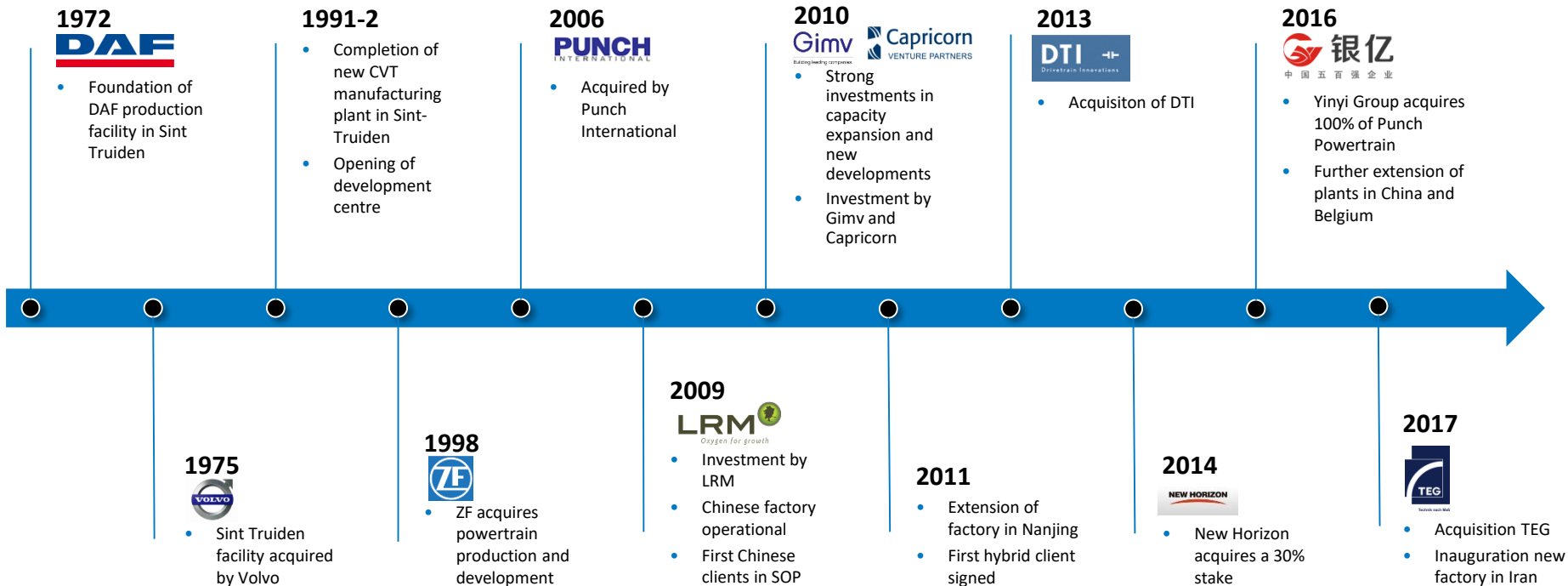
COMPANY PRESENTATION

European Job Days
18 & 19 oktober 2017

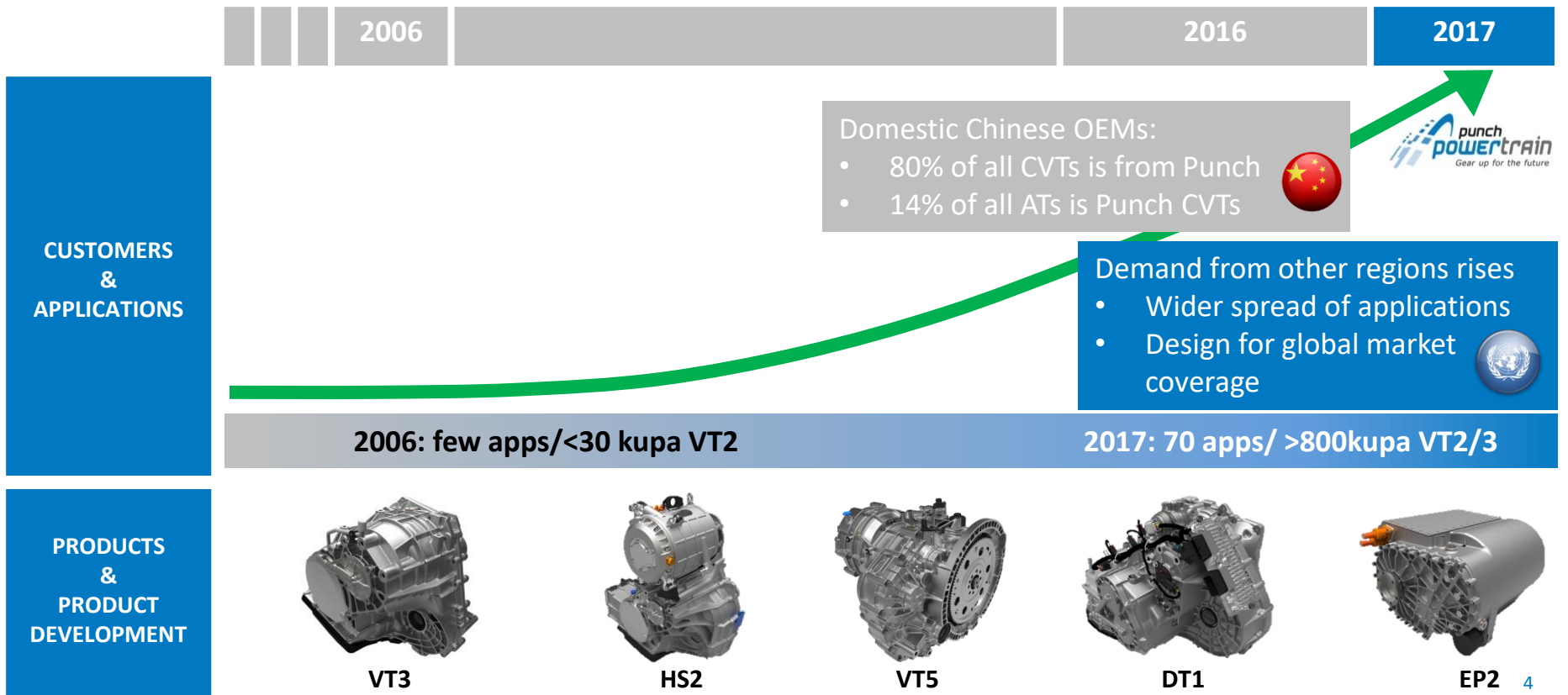


HISTORY





Past growth and products for future growth



LOCATIONS





Local Offices & Services



PUNE
India

SALES OFFICE
Customer Care



**SHAH
ALAM**
Malaysia

AFTER SALES & SERVICE
Customer Care



**SINT-
TRUIDEN**
Belgium

**R&D CENTRE &
TEST FACILITIES**
Pulleys/hydraulics
capacity Q4 2017 ~ 1,2 M



NANJING
China

**R&D,
AFTER SALES & SERVICE**
CVT production
capacity Q4 2017 ~ 1,25 M



ZANJAN
Iran

**SALES OFFICE
& AFTER SALES**
CVT production in 2018
capacity 2018 ~ 200 k



EINDHOVEN
The
Netherlands

**R&D INNOVATION
CENTRE**



FLECHTORF
Germany

**R&D INNOVATION
CENTRE**
Production

TECHNOLOGIES



Over 40 years of experience in producing and developing CVT

Driver Benefits

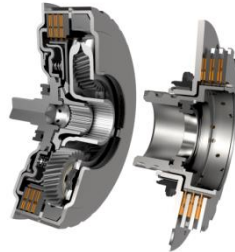
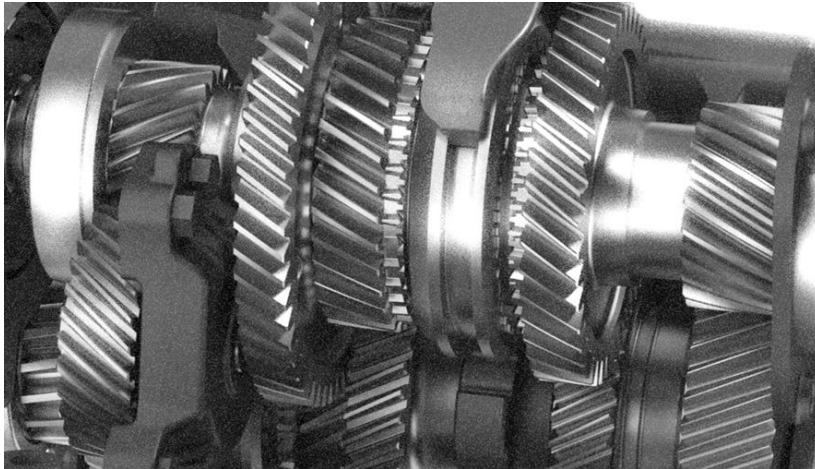
- **Proven reliability** (over 1.000.000 transmissions on the road)
- Relaxing **comfort** of smooth **stepless shifts** (especially in traffic jams)
- Highly **fuel efficient**, also in real traffic (low cost of ownership)

OEM benefits

- Short implementation time
- Flexible solution
- **Cost efficient** (application and piece price)
- Ideal **compact** solution for FWD cars
- **High torque** and even more efficient solutions in development
- **48V ready**



NEXT GENERATION



Innovative and compact 7 speed Dual Clutch Transmission

Driver Benefits

- Same response and **comfort** as other DCTs
- **Robust** clutch pack designed for high thermal loads that occur during city driving
- Highly **fuel efficient** 7 speed automatic

OEM benefits

- Compact unique **single lay shaft** design
- Innovative concept allows **component reduction**:
 - Increased reliability
 - Lower piece price
 - Lower weight
- Wet clutch pack significantly **more robust** than conventional DCTs
- Scalable concept, **48V ready**

CVT based plug-in hybrid solution

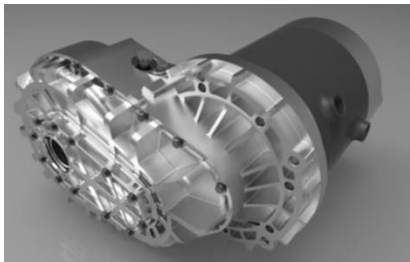
Driver Benefits

- **Proven reliability**
(shares many components with over 1.000.000 CVTs already on the road)
- Relaxing **comfort** of smooth **stepless shifts** (especially in traffic jams)
- Highly **fuel efficient**, also in real traffic (low cost of ownership)

OEM benefits

- **P3 configuration** for optimum system efficiency
- **Cost efficient** hybrid (application and piece price, due to carry over of CVT parts)
- Ideal **compact** solution for FWD cars (installation length = conventional CVT)
- Flexible solution: designed as PHEV, also Full HEV configuration is possible





NEXT GENERATION

Integrated EV powertrain solutions

Driver Benefits

- Full **EV drive experience**:
 - Smooth
 - High performance
 - Silent
- **Zero-emission** vehicle

OEM benefits

- Turnkey powertrain solution with **integrated**:
 - E-Motor
 - Power Electronics
 - Transmission
- Compact, robust and low weight design
- Next generation EV **free of rare earth materials** already in preparation
- Multi-speed EV concepts patented as well

CUSTOMERS







Thank you for your attention!

For more info about us, please visit our website www.punchpowertrain.com

