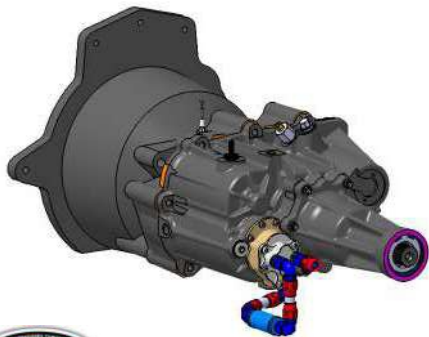




MOTORSPORT & AUTOMOTIVE TRANSMISSION

TURSIMO CARRETERA
ACTC

Reference : TC-ARG_2025
Date : 05/11/2025
Index : A



TXL-TC PACKAGE TECHNICAL PRESENTATION



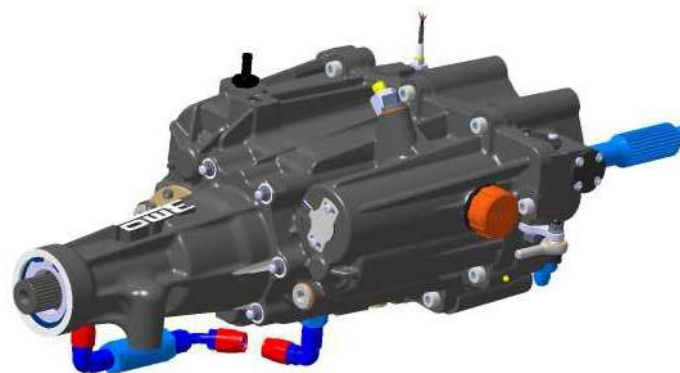
TURISMO CARRETERA PROJECT

- 6 speed gearbox + reverse
- 6 Cylinder : 515 horse power // 470 N.m // 8600 rpm
- 18'' tires
- Rear diff ratios : 3.8 : 1
- 1400 kgs car

Plug & Play kit for TC



Official homologation



GEARBOX SPECS & SCOPE

TXL in line PLUG & PLAY PACKAGE

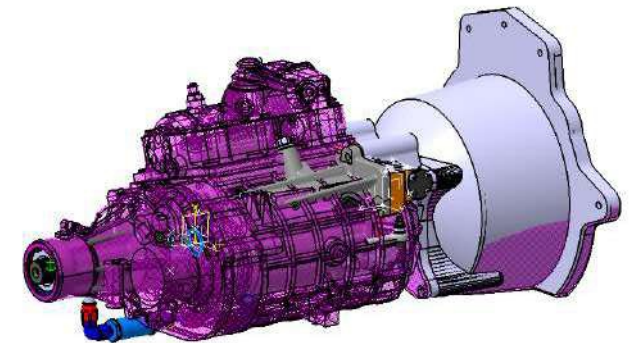
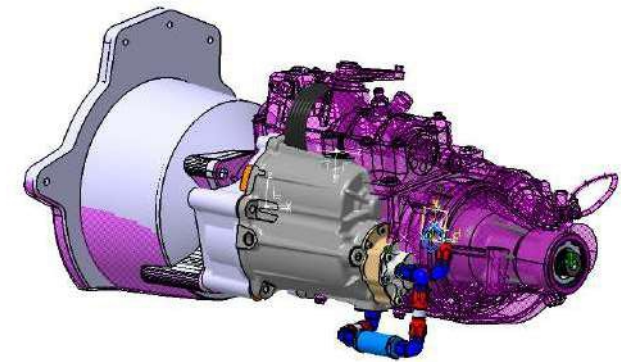
- Saenz bellhousing matching on TXL with an adapter plate
- Bespoke TC input shaft to fit with existing clutch & flywheel
- Output tailhousing to fit existing propshaft + fixing points
- Homologated TC ratios

Reliable package :

- **Up to 600 N.m torque capacity**
- Bronze cage bearings
- Integrated mechanical oil pump with steel filter
- 300M input shaft
- Inspection plugs

Performance & pleasure

- **Only 34kg**
- Efficiency > 95%
- Smooth gearshift
- 6 speed



GEARBOX SPECS & SCOPE

The product offered is an off the shelf gearbox in production since 2018 and is based on our expertise of providing reliable, high performing motorsport products globally.

General informations

- . Max input torque capacity : 650 N.m
- . Max input speed capacity : 9 000 RPM
- . 2 stages gearbox
- . 6 speed gearbox + reverse gear (max torque 170 N.m)
- . 1 in line output with the engine crankshaft
- . Reverse lockout cable is included
- . Weight : gearbox 34kgs
- . Bronze cage SKF (or equivalent) bearings
- . A air leakage test (0.5b during 2mns) + no load test bench is included in the scope of supply for each gearbox. 0,5 hour on the bench to check if there is no atypical noise and/or vibration, if the temperature increase correctly and doesn't exceed max level, if the oil pump and the internal circuit are working fine, if gearshift is OK, if there is no leakage at functional T°.
- . Assembly monitoring are recording on 3MO database : specifications, setup values, shims values, assembly check file
- . Cardboard box + pallet (treated wood) are included in the scope of supply.
- . Quality check and monitoring plan : 3MO standards



GEARBOX SPECS & SCOPE

Lubrication

- . Internal single stage mechanical oil pump : 3cm³.
- . Internal lubrication circuit with injectors on gears through forks axis
- . External steel filter cartridge. Included in the scope of supply. Removable from the external.
- . Oil : 85W140 mineral mandatory
or **Lubrican Gear140** if sustainability is requested.
- . Development has to be done with the recommended oil.
- . Oil quantity : 0.5 liter (without external cooling system)
- . Running temperature = 85-115°C (125°C max in peak)
- . Drain plan :
 - 1st drain after rebuild or when new : 50kms
 - Then draining frequency each race weekend
- . Gearbox has a magnetic drain plug



Your contact in Argentina



3MO PERFORMANCE Distributor Represented by **Gerardo Batrace**

Carhue 1296

1408 Buenos Aires

+54 9 11 5633-5070

info@irace-performance.com

Stock of spare parts available on race Week-End

Reactivity (Reduced lead time)



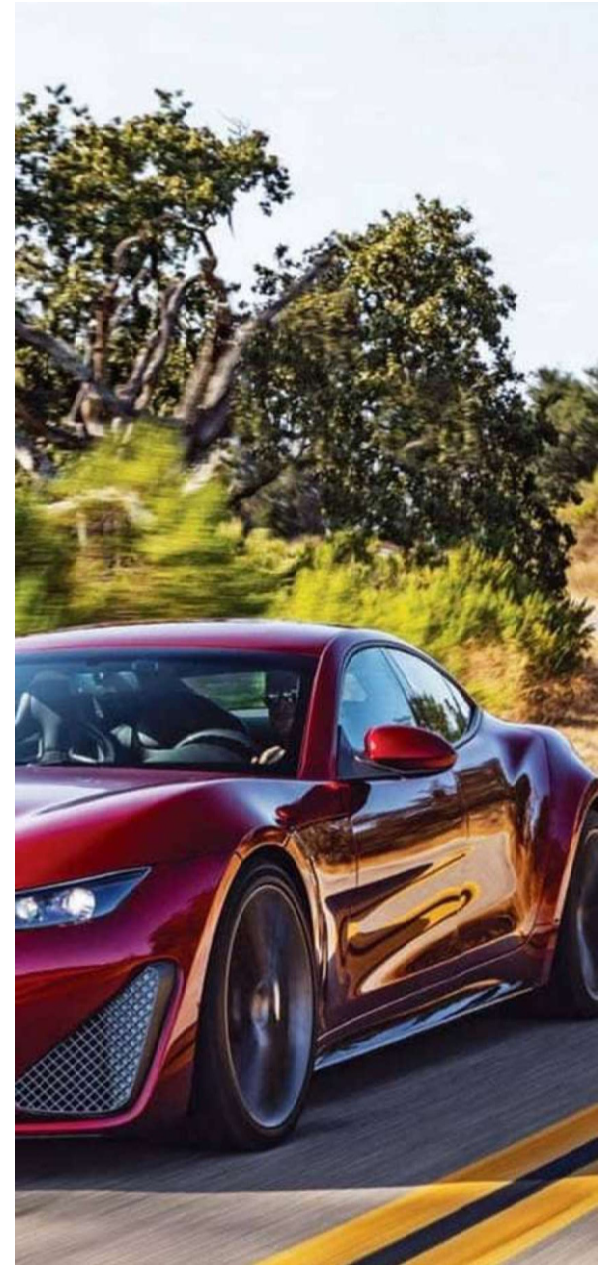


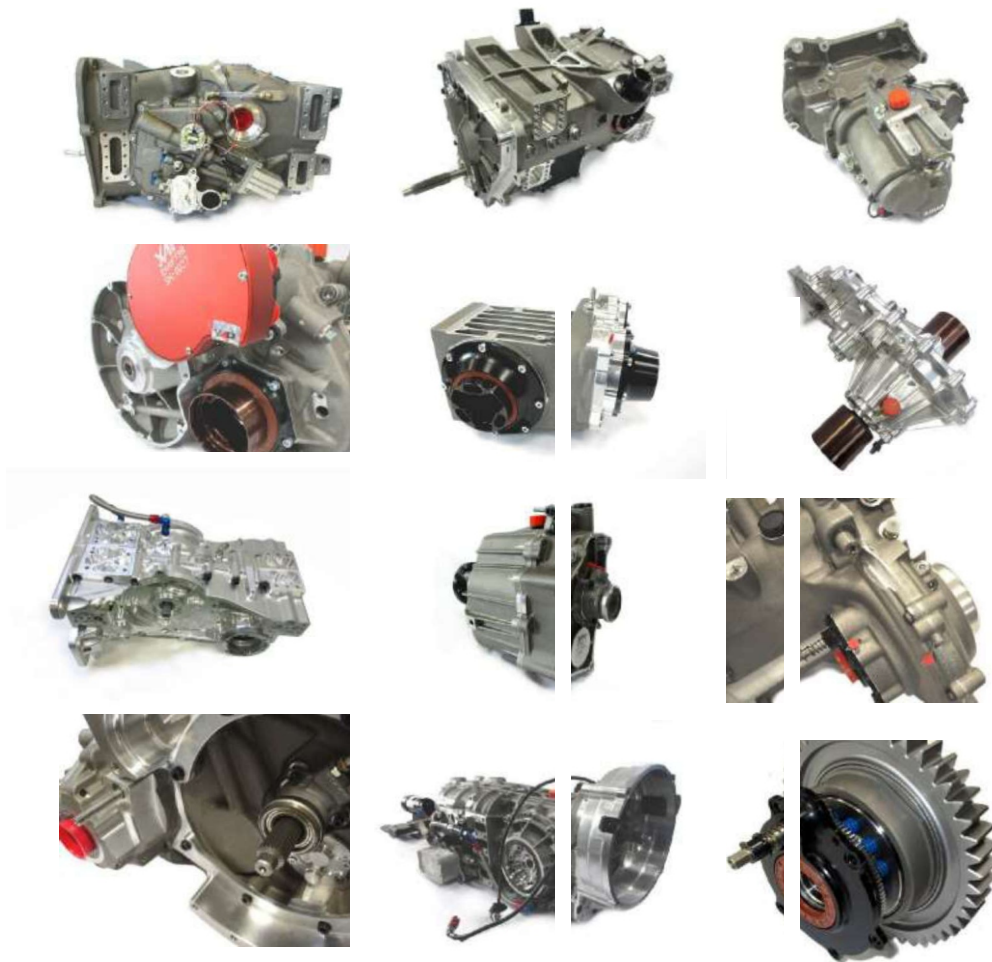
MOTORSPORT & AUTOMOTIVE TRANSMISSION

We are a French company with 80 staff and 3 plants, specialised in motorsport-automotive transmissions design & manufacturing.

Over the past 17 years, we have provided advanced transmission systems, both conventional and electronically controlled. Thousands of products have been assembled with the help of our technology and we co-operate with some of the most prestigious manufacturers and racing teams in the world.

Our journey continues as we have recently provided transmission solutions to aviation, boat, military vehicles, WRC, Formula E, Formula 1 & Formula 3 markets.





Offering the support,
stability and resources
of an industrial
company

with the flexibility and
reactivity of a small
automotive
engineering specialist.

www.3mo.com

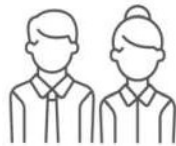


COMPANY OVERVIEW



EMPLOYEES

80



TURNOVER

13,5 Mio



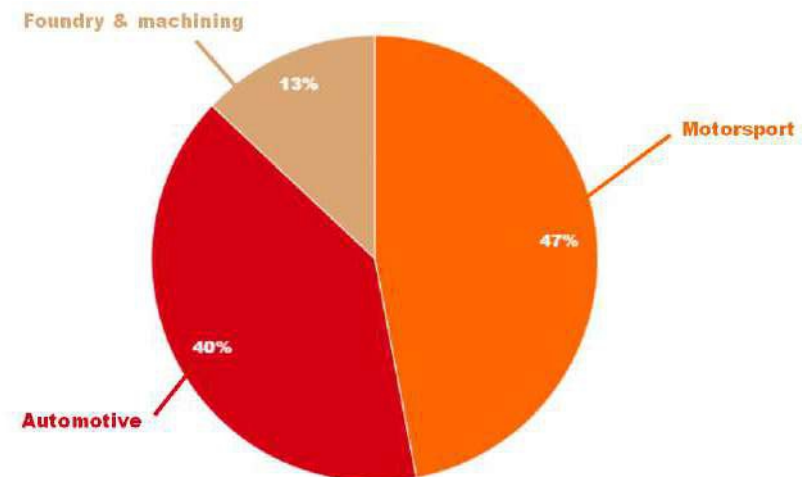
EXPORT

> 55%



SALES BY BUSINESS UNITS (%)

(Average data of the last year)

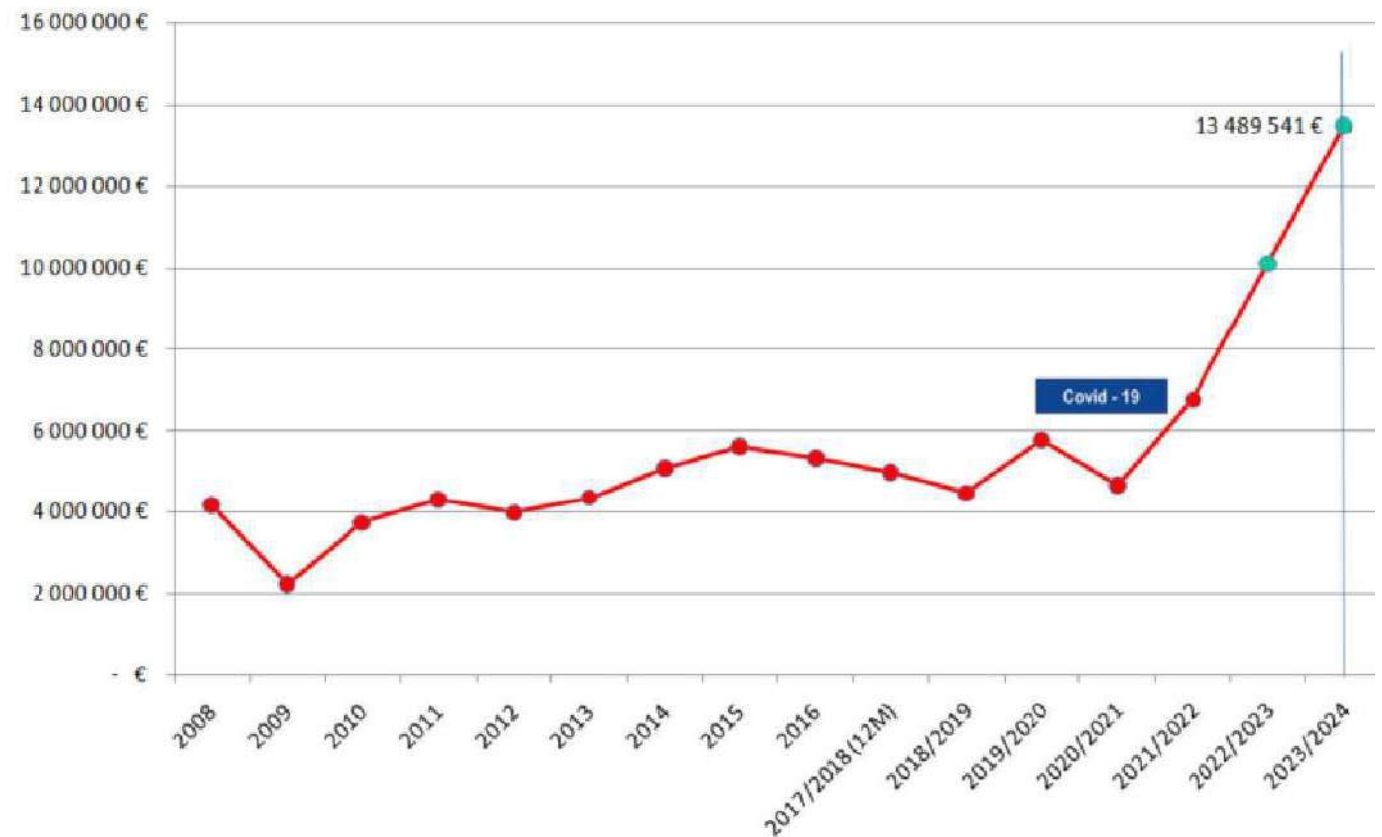


COMPANY OVERVIEW



TURNOVER EVOLUTION

FROM 4,6 Mio to 13,5 Mio in 6 years



3MO MILESTONES



3MO GROUP



-  Laval, Mayenne
-  3.200 sqm
-  Headquarter
Engineering
& manufacturing



-  St Berthevin, Mayenne
-  1.500 sqm
-  Assembly
& test



-  Domfront, Orne
-  2.400 sqm
-  Aluminium foundry

VIDEO
PRESENTATION



VIDEO



<https://youtu.be/6cZTNMjXVLk>

PROJECT ORGANIZATION



1 PROJECT STUDY

Sales & R&D dpts

- Feasability study
- Pre-study
- Quotation
- Timing



A - Bespoke product DESIGN

R&D & CAM dpts

- Design & simulation
- Gears calculation
- FEM analysis
- 2D & 3D
- Industrialization



CARRY-OVER STRATEGY

B - Off the shelf product ADAPTATION

Sales & R&D dpts

- Gear ratios & calculation
- Interface design



PROJECT LEADER : Sales dpt.

PROJECT ORGANIZATION



+ **AFTERSALES MANAGEMENT**

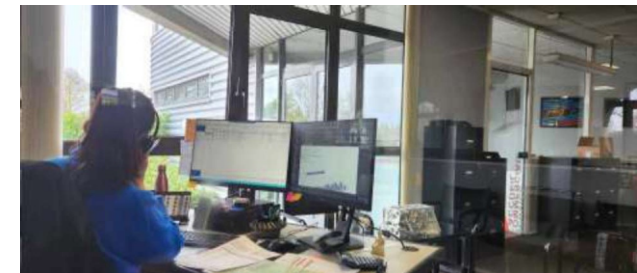
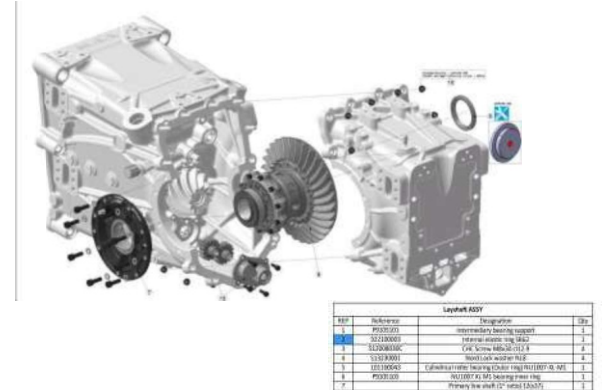
Sales & shop dpts

- Dedicated shop staff : 100% UK speaking
- Worldwide shipment
- Catalog with exploded views and list

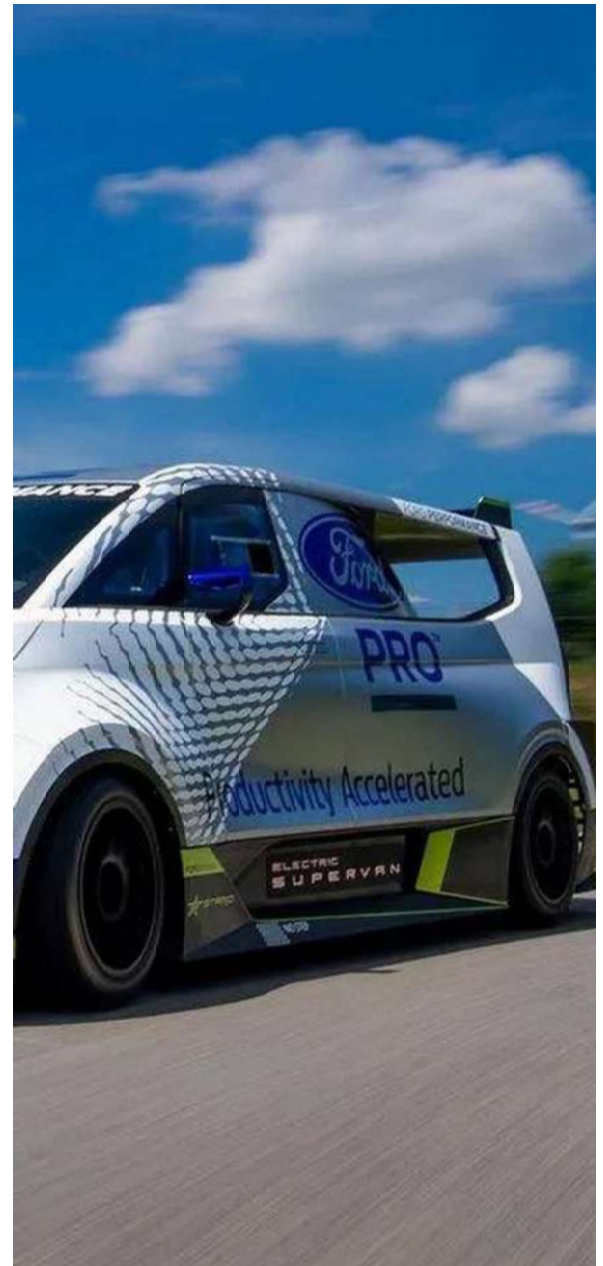
98% of after sales PO are shipped under 48 hours !

- **Large staff to manage after-sales activity**
- **Manufacturing launch with minimum stock automatic system. Calculation and launch each week. Minimum and batch qty values updates in the system every 6 months depending on updated manufacturing time and deliveries.**

End of year customer survey : « If you have to position 3MO compare to its competitor regarding delivery time and after-sales service, what would be its position ? »
95% of the answers are : P1



PROJECTS & COLLABORATIONS



RACING
RECENT PROJECTS



FormulaE



Opel eMokka



T3 offroad



FIA F3 2025



Suzuki RC5



Confidential



Extreme E/H



JCW Challenges



Confidential

Ford Performance



H24



Alpine Racing

AUTOMOTIVE
RECENT PROJECTS



A110 éternité



Drako GTE



Confidential



Bluebus



Arqqus Scarabée



Aspark Owl



Master ZE



Hispano Suiza



Confidential



McMurtry SP3



Nismo



Zenvo Aurora

REFERENCES

3MO
Performance

**GROUPE
RENAULT**

SPARKX
RACING TECHNOLOGY

PODIUM
RACING TECHNOLOGY

helix

TAURUS

ARQUUS
RACING TECHNOLOGY

dallara

STAR
RACING TECHNOLOGY

ALPINE

FOSS

SIGNATECH

McLaren

McMURTRY
AUTOMOTIVE

REVOLUTION
RACE CAR

SOLUTION F
RACING CAR

F3
RACING CAR

Red Bull

FSA
RACING CAR

CRECA

Red Bull

green corp

BOLLORE

Aspaco

DANA

REV

HYUNDAI
MOTORSPORT

AIRBUS
HELICOPTERS

JAS
MOTORSPORT

GEELY GROUP
MOTORSPORT

G RALLY TEAM

RENAULT

MARELLI

S&G

overdrive

TECHNI INDUSTRIE

AVA

MECACHROME

Valeo

SKODA

SKODA | VOLKSWAGEN
BMW AUTO Volkswagen Auto Private Limited

Vakuumracing

Volkswagen
Motorsport

PROMODRIVE

X JANGEL

ASM
RACING

TEOS

Vuković motorsport

MILTON ROY
RACING

TECHNO MAP

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