

CURRICULUM VITAE ANGELO S. CAMERINI



Date of birth: 01.07.1958

Marital status: married with 2 children

Nationality: Italian

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Phone (private): 0039 335 1403223

Email (private): angelo.camerini@alice.it

Education: Master Degree Mechanical Engineering (Pisa University)

Languages: Italian mother tongue

English and German both fluent spoken and written

Hobbies: Reading, Marathon running, Cycling

WORK EXPERIENCES SHORT SUMMARY

APR 2017 ---> running : Freelance Engineering Consultant

MARCH 2011 ---> MARCH 2017: Full time Consultant Powertrain Dept. Ferrari
Where: Maranello – ENGINE DEVELOPMENT DEPARTMENT

Tasks:

- Thermofluiddynamic development of a V8 GDI turbocharged engine for GTE regulations
- Thermofluiddynamic development of a V8 GDI naturally aspirated engine for GTE regulations (until end 2014)

❖ For both these projects particular focus has been on:

- Valve train development
- Crank train development
- Fuel consumption reduction // Injection system development
- Engine friction reduction
- Engine power development
- Turbomatching (1D code GT Power)
- Turbocharger development
- Boost control modelling
- Turbolag

❖ Other development work :

- Cam changing (Development of a system for Ferrari V8 engines)
- Study on variable valve train systems
- Hybrids layouts (GT Suite modelling)
- Combustion modelling
- Engine 1D gasdynamics modelling (GT Power)
- Variable valvetrain modelling / Hydraulic modelling
- Fast running modelling // Real time running models

**MAY 2008 ---> FEB. 2011 : FIAT POWER TRAIN TECHNOLOGIES – RACING Dept --
(formerly Alfa Romeo Racing Department)**

Position: Department's General Manager

Tasks:

- Responsibility of technical direction, budget, managing ca. 40 people staff
- Pre-development of an engine for IRL Championships (6 cyl. turbocharged) for IRL championship with the Maserati Brand
- Pre-development of an engine for WRC Championships for Abarth (1600 cc 4 cyl. Turbocharged) based on an Alfa Romeo 1750 GDI turbocharged engine (particularly developments on valvetrain, several components of the basis engine like crankshaft, conrods, piston, turbocharger application, anti-lag system,...)
- Development of a naturally aspirated engine for the S2000 regulations (Rally IRC Championship)
- Development of turbocharged engines for single seater Formula Abarth series (power unit based on the 1400 turbocharged FIAT FIRE engine)
- Development of a naturally aspirated 2 lt engine for Italian F3
- Preliminary study of a twin stage highly boosted turbocharged Diesel engine for avionic application (drone aircraft)
- Lecturer at Turin's University (Automotive engineering- 2nd semester 2010)

APR. 2006 ---> MAY2008 : BMW – Motorsport (Hinwil- CH)

Position: Responsible of a development Team working on advanced concepts -- Technical coordinator between 2 Team Sites (Munich and Hinwil)

Tasks:

- Technical coordination and Integration of the 2 BMW Motorsport sites (Germany and Switzerland)
- Coordination between the Power train Group and Aerodynamics and Chassis Design
- Responsible for the Car preliminary Concept Studies and related CAD layouts, particularly:
 - engine and gearbox installation
 - cooling, snorkel, exhaust system
 - integration with aerodynamic devices (rear Crash structure, Diffuser, rear suspension)
 - KERS (Kinetic Energy Recovery System): system layout design and adaption to the vehicle

APR. 1998 ---> APR. 2006: BMW - Motorsport (Munich – Deutschland)

Hold Positions:

- **Jan. 2003 ---> May 2006** Responsible of Formula1 Engine Design and Calculation Dept
Responsible for the technical cooperation with Williams F1 Engineering
Managing a group of 44 people
- **Nov.2001 ---> Dec. 2002** Project Leader V10 Engine 2003 Race Season
- **Nov. 2000 ---> Nov. 2001** Project Leader V10 Engine 2002 Race Season
- **Apr. 2000 ---> Nov. 2000** Project Leader 2 Cylinder Engine (for Test and Research Purposes)
Responsible of the definition of all test activities on the 2 cylinder engine
- **Apr. 1998 ---> Apr. 2000** Project Leader 'Engine Upper End'

Tasks:

- BMW Formula 1 Engine Chief Designer
- Responsible of the design Department
- Responsible of the calculation Department
- Encharged of the mechanical and thermodynamic development of the engine (V10 and V8 engines, also GDI).

AUG 1995 ---> FEB. 1998 : FERRARI SpA (Maranello – Italy)

Position : Project Leader Powertrain Dept. (Ferrari GT Cars) /Managing a 8 people group

Tasks:

- Responsibility of several Projects in the Power train area

NOV. 1992 ---> JULY 1995 : **FERRARI DESIGN&DEVELOPMENT Ltd (Guildford – UK)**

Position: Formula 1 Design Engineer

Tasks:

- Work in similar area to the previously hold position

JUN. 1989 ---> NOV. 1992 : **FERRARI FORMULA 1 DEPT. (Maranello – Italy)**

Position: Formula 1 Design Engineer

Tasks:

- Hydraulic System Design
- Work in gearbox design and development
- Work on engine design and development

PREVIOUS --->JUN. 1989:

Design Engineer - Tioxide PLC (Italy) (1989)

High School teacher (1987-1988)

Design Engineer S.T.I.M.I Srl (Italy) : (1982 – 1985)

Angelo Camerini