



MeC COST ANALYSIS
CONSULTANCY
& BENCHMARKING



MeC

MeC is a Cost Analysis Consultancy Company founded in 2006 in Turin, Italy.



Turin, IT



Modena, IT



Detroit, US

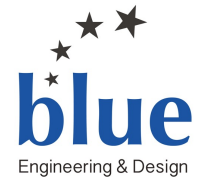


Tanger, MA



80 People

KEY CUSTOMERS



ACTIVITIES



SHOULD COST ESTIMATION

Estimating the production costs of the components through the study of material, labour, process, profit and overhead associated with the manufacturing location.



Es. Should cost analysis of a washing machine

DATABASE

LOCATION

195 manufacturing locations

MATERIAL

1350 materials

PROCESS

4200 machineries

LABOUR RATE

direct and indirect

PACKAGING

primary, secondary, tertiary

SHIPPING

by land, by water or by air

GENERAL COSTS

SG&A, scraps,...

**DATA UPDATE EVERY 3/6 MONTHS*





COST TRACKING & MANAGEMENT

Monitoring, checking and controlling companies' costs to focus the management's attention on the definition of the goals to pursuit.



Es. Cost tracking of the life cycle of an agricultural vehicle

LIFE CYCLE COSTING

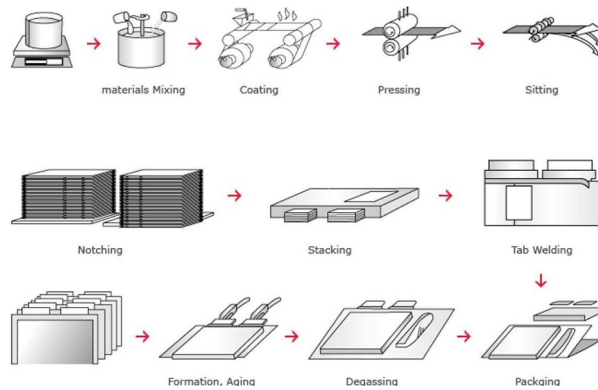
- 1 CONCEPTION & START-UP
- 2 PLANNING & DESIGNING
- 3 EXECUTION & LAUNCH
- 4 MONITORING & CONTROLLING
- 5 PROJECT CLOSURE



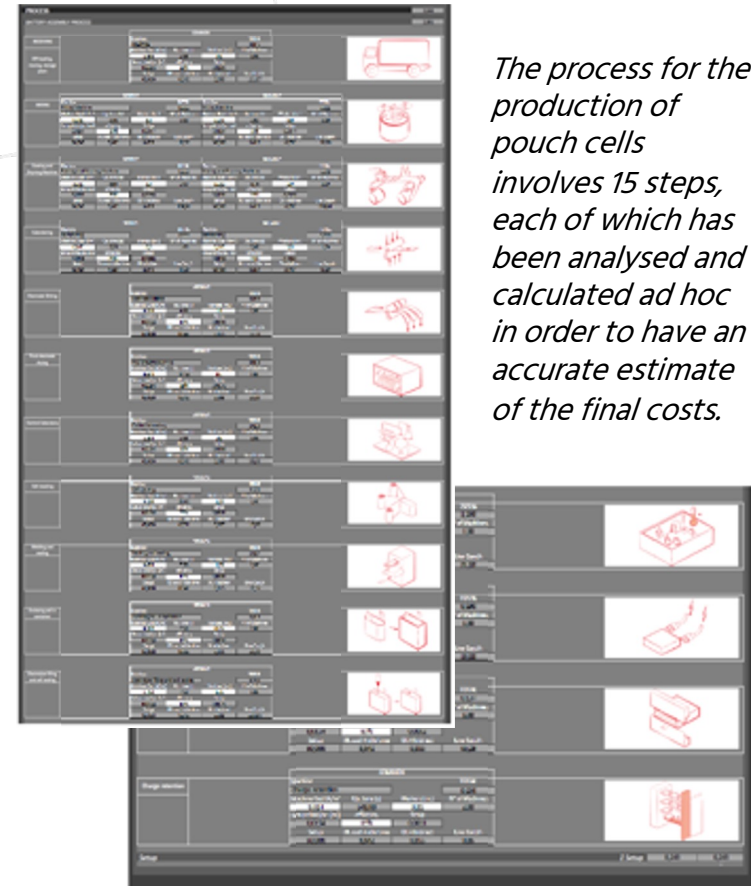


COST MODELLING

Figuring out the cost for certain activities and processes, gaining accurate cost estimates based on ad hoc cost model in line with the requirements of each manufacturing process.



Es. Cost Model dedicated to the production of lithium batteries



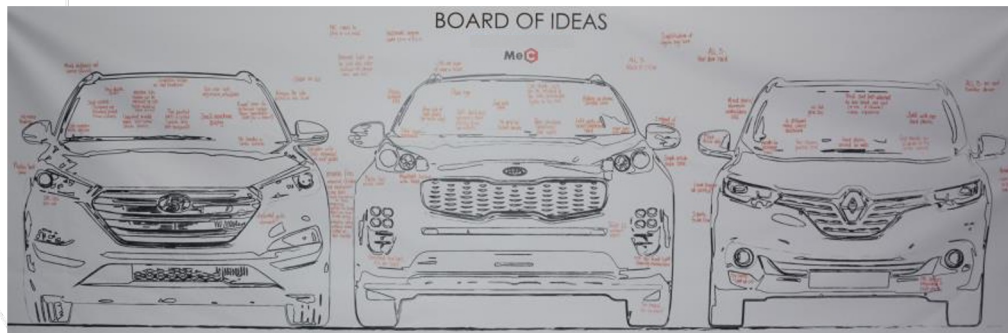
The process for the production of pouch cells involves 15 steps, each of which has been analysed and calculated ad hoc in order to have an accurate estimate of the final costs.





COST COMPETITIVE BENCHMARKING

Getting economic awareness of strengths and weaknesses of competitors.
It is a measure of the efficiency and competitiveness of a company.



Es. Starting workshop for a Benchmarking analysis

METHODOLOGY

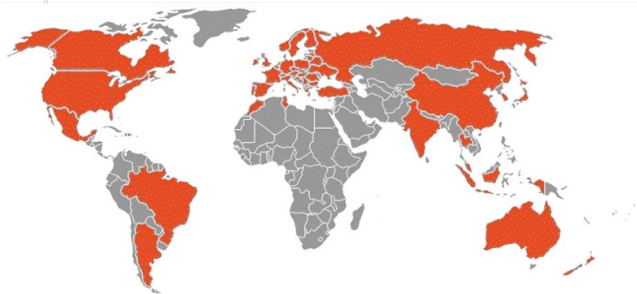
1. WORKSHOP
2. PERCEIVED QUALITY
3. TEARDOWN
4. CATALOGUING
5. COST ANALYSIS
6. BENCHMARK
7. IDEAS GENERATION





DYNAMIC & CONSTANTLY UPDATED

MeC Database is maintained up-to-date according to commodities, industry, market trends and Clients' requests.



195 MANUFACTURING LOCATIONS

among which: Italy, France, Germany, Austria, Belgium, Czech Republic, Spain, Portugal, UK, Poland, Slovenia, Serbia, Turkey, China, India, Taiwan, Thailand, USA (Michigan, North Carolina, South Carolina, Colorado), Canada, Mexico, Brazil.



+ 4200 MACHINERIES

old and new models



+ 1350 MATERIALS

among which composite materials



UTILITIES USAGE

water, gas, energy



INTEREST RATE



LABOUR RATE



BURDEN RATE





3 PROGETTI DI PIATTAFORMA:

- P. Automotive - Progetto PIE' VERDE
- P. Fabbrica Intelligente 2 - Progetto HOME
- P. Bioeconomia – Progetto MARCEL

1 STUDIO DI FATTIBILITA' – Progetto ACTL

1 BANDO POLI DI INNOVAZIONE - Progetto ACTL_2

1 MANUNET – Progetto PI2Map

2 STUDI DI FATTIBILITA' – Progetto Moda e Progetto Swap4Truck

1 PATTO TERRITORIALE ZONA OVEST

2 ACCORDI PER L'INNOVAZIONE





eMOBILITY KNOW-HOW

ELECTRIC

- eMOTOR
- BATTERY PACK
- CHARGING MODULE
- INVERTER
- CONVERTER
- CHARGING CABLE
- HARNESSES
- ECU

CONNECTED

- DISPLAY
- INFOTAINMENT
- SENSORS
- EXTERNAL DEVICES

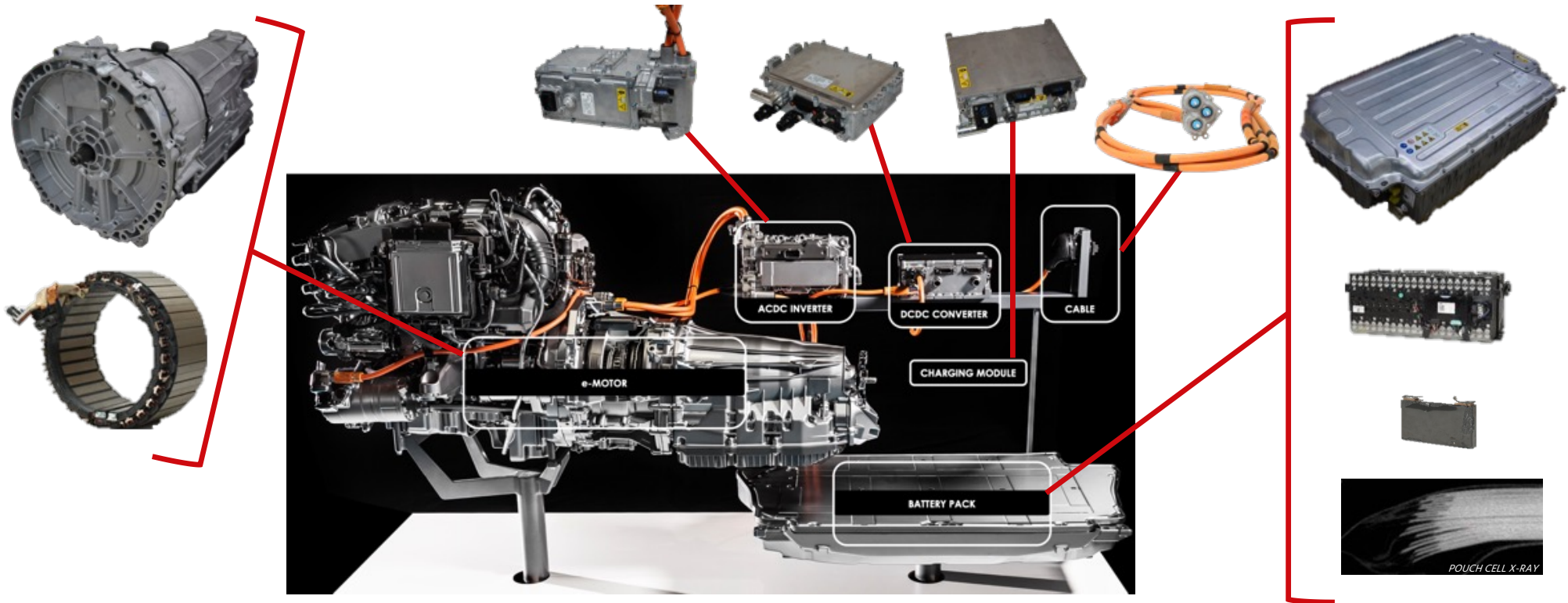
AUTONOMOUS

- LIDAR SYSTEM
- ADAS SYSTEMS:
 - **BSD** – Blind Spot Detection System
 - **V2V** – Vehicle to Vehicle System
 - **FCW** – Forward Collision Warning System



eMOBILITY KNOW-HOW

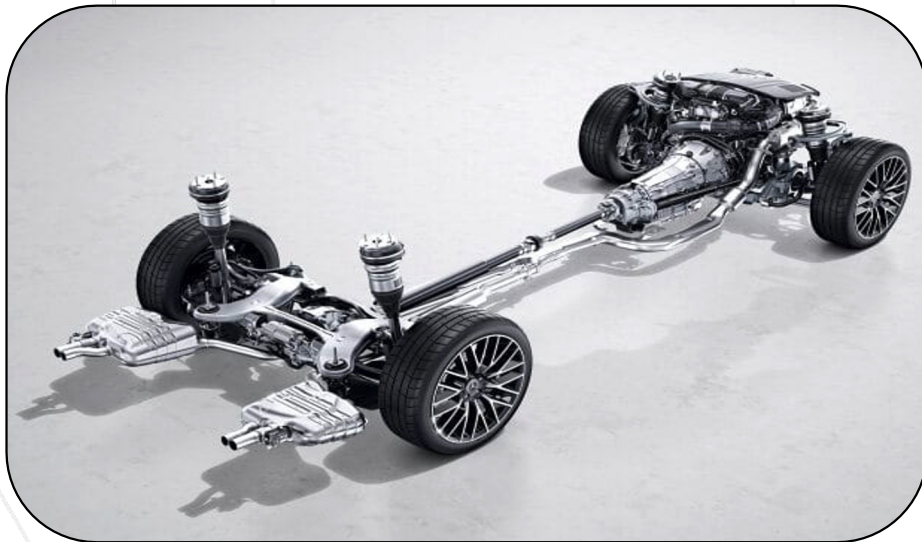
MeC has developed a cost model to cost out **eMotors and Battery Packs**, from the single cell to the entire e-Power system.



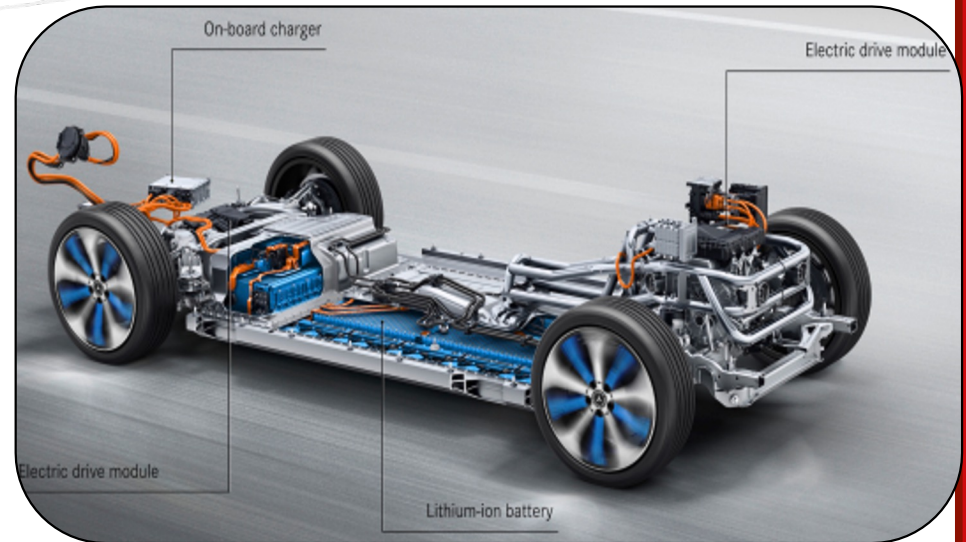
LE COMPETENZE - Rivoluzione dei costi



Today










Tomorrow

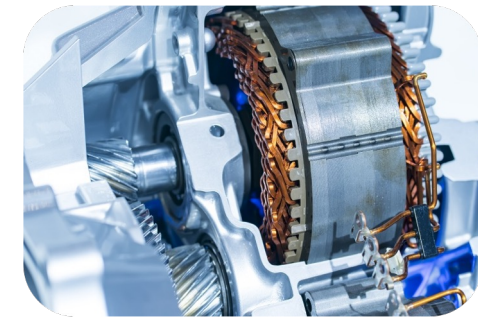


COSA CI CIRCONDA?



Da ICE a BEV o Nuova Piattaforma?

Powertrain	Components and energy sources	Variants
ICE		Petrol and Diesel
HEV		Petrol and Diesel
PHEV		Petrol and Diesel
RE-EV		Petrol and Diesel
BEV		-
H ₂ Fuel Cell		-
H ₂ Fuel Cell RE-EV		-



A LOOK INTO THE FUTURE... 2021

1° Edition



PMI



RADICI



TRADIZIONE



INNOVAZIONE



DINAMICITA'



COLLABORAZIONE



CONTAMINAZIONE

10 Giornate

80 Aziende

240 Partecipanti

4.6/5 Gradimento



A LOOK INTO THE FUTURE... 2023 (?)

2° Edition



PMI



RADICI



TRADIZIONE



INNOVAZIONE



DINAMICITA'



COLLABORAZIONE



CONTAMINAZIONE

Creazione Filiera

Aumentare la competitività delle PMI



Toyota Mirai



Fiat 500e

Acquisto Vetture,
Workshop, Benchmark,
Test in pista, a banco,
Breakdown Costi



Porsche Taycan



Dacia Spring



Thank you,

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