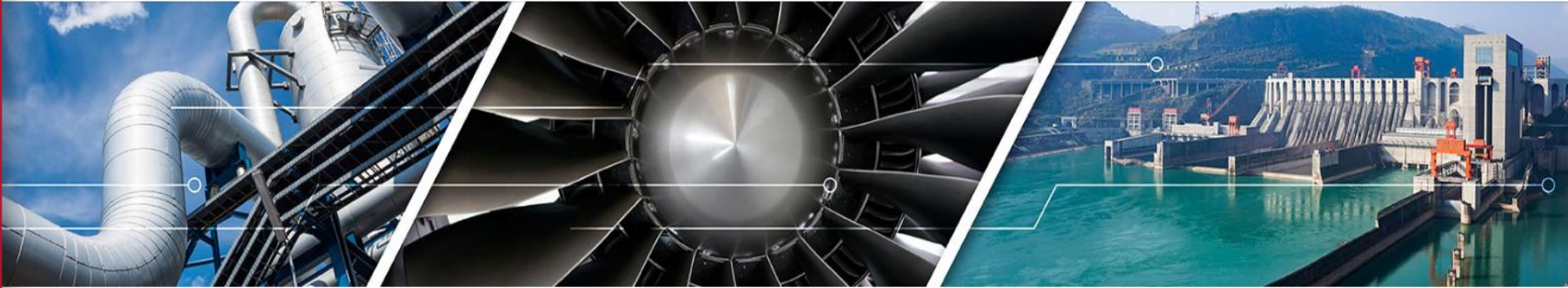
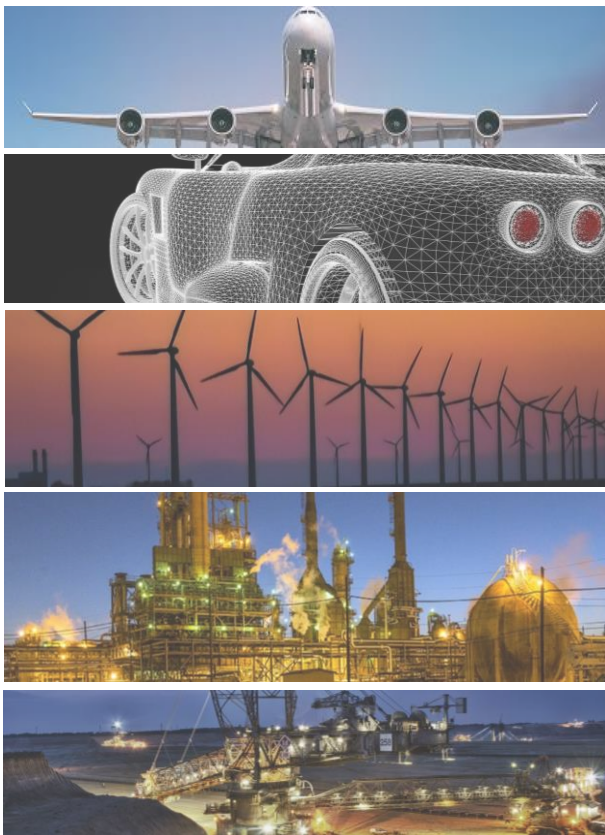


Matcor Technology & Services Pte Ltd

Company Profile





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Our Identity

Technological Institute of Mechanics 4

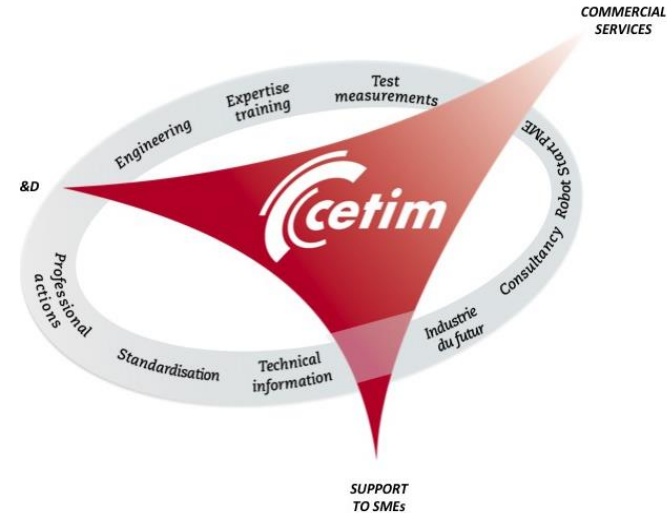
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Cetim Group

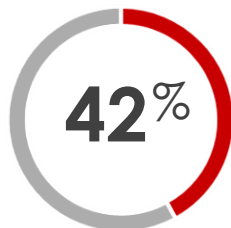
A Technological Institute of Mechanics, steered by Mechanical Engineering Industrials



Cetim-Matcor Technology & Services

Cetim technology 4.0 and engineering platform in Asia Pacific

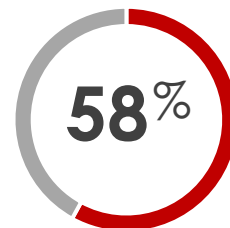
Leading Specialist in Failure Analysis, Forensic Engineering and Assets Integrity Management



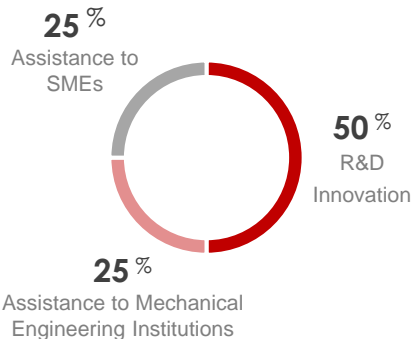
R&D and
Innovation

€160
million

Overall business volume



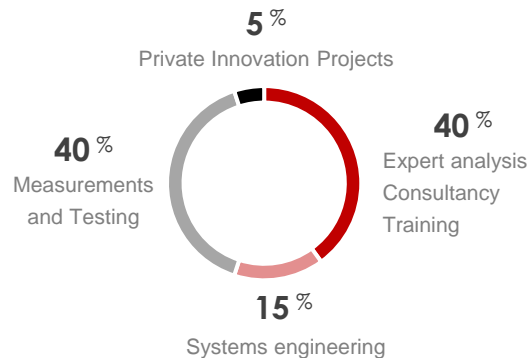
Engineering
Services



50 %
R&D
Innovation

25 %
Assistance to Mechanical
Engineering Institutions

25 %
Assistance to
SMEs



40 %
Measurements
and Testing

40 %
Expert analysis
Consultancy
Training

5 %
Private Innovation Projects

15 %
Systems engineering

An International Presence

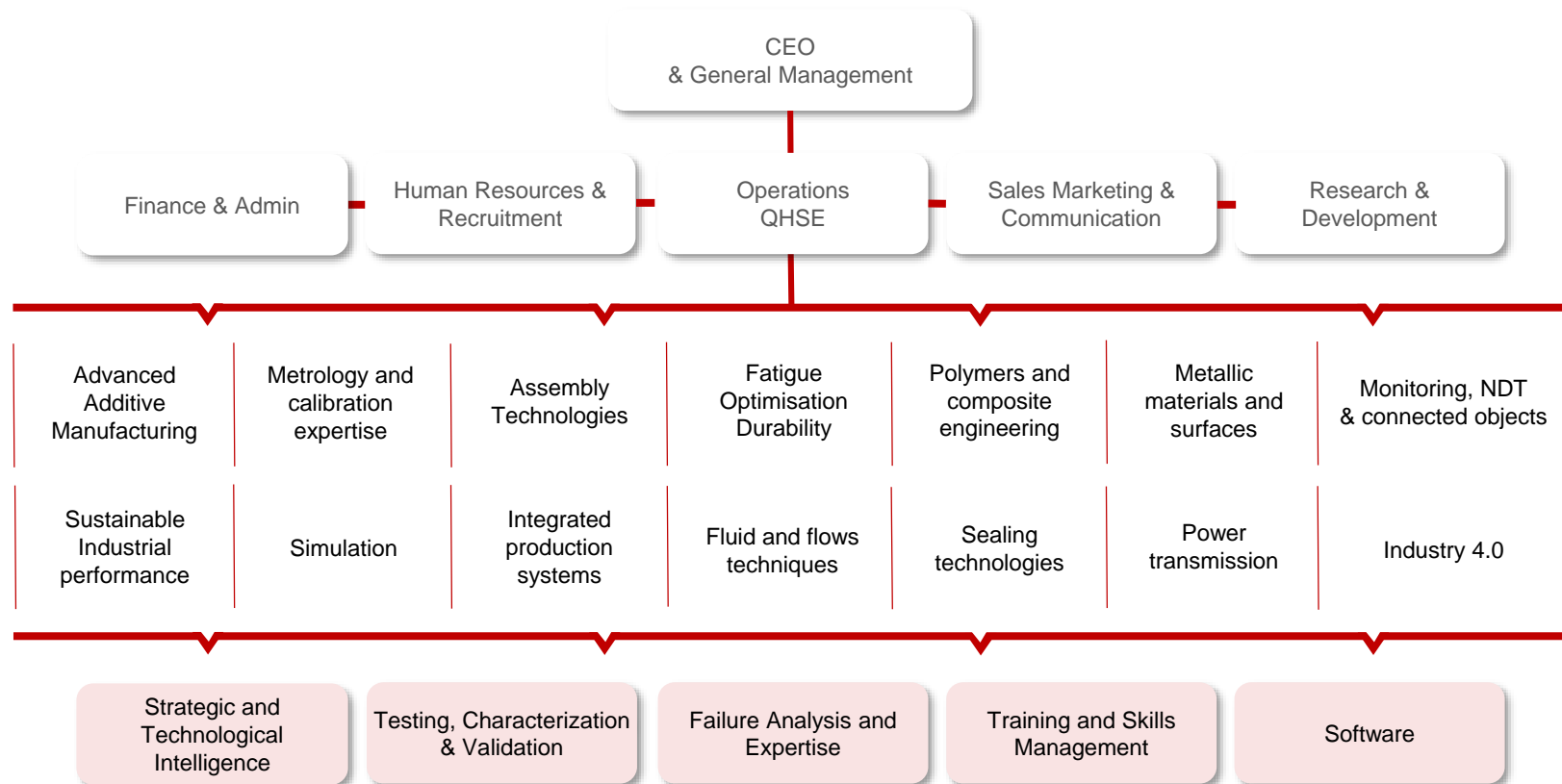


- ▶ 23 Multidisciplinary facilities to support international mechanical industry

- ▶ 1 100 employees

Our Organization & Centres of Excellence

Unique R&D capabilities and Multi-disciplinary expertise



Going for The Future



Federating, Accelerating, Transforming

Developing a new technological offer.

A strong involvement side by side with the members of the AIF (Industry of the Future Alliance) so as to orient and strengthen national R&D programmes in production, design and logistics technologies as well as the associated digital tools.

INDUSTRY 4.0 WITH CETIM...



+10

European R&D projects underway



10

Shared multi technology 4.0 platform



+1000

Industry 4.0 diagnosis



+300

Robots installed in Industry





R&D and Innovation

Making technological choices for the future	10
Innovation at the heart of strategy	11
Developing synergy through research	13
Assistance to SMEs	14
Transmitting and informing	15

Making technological choices for the future

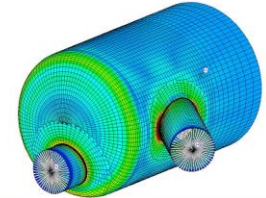
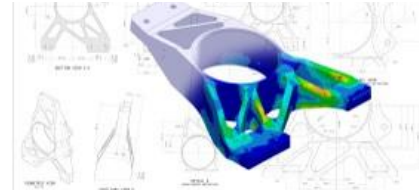
4 Priority Technological Areas

Design - Simulation - Testing

Mechatronics - Inspection - Measurement

Materials - Processes

Sustainable Development



Innovation at the heart of strategy



Support to innovating projects



126

patents filed in the past 5 years



Fuel for internal dynamics

40

inventions declared per annum



Open Innovation

1st

innovation forum
dedicated to mechanical
engineering industrial
companies



56 exhibitor start-ups

+150 industrial visitors

SATT
Réseau
Les Sociétés d'Accélération
du Transfert de Technologies

Call for projects
in order to boost the transfer
of innovations stemming
from academic laboratories

Making technological choices for the future

Unique specific Platforms to accelerate developments

Innovative Manufacturing Processes

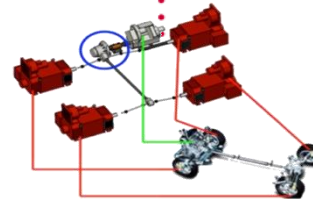


Intercut Network

Additive Manufacturing



Mechatronics



Mechatronics Institute

Agricultural Machinery



Pima@tec



Composite Materials

Developing synergies through research ex France

Joint laboratories

Lamecas

Metrology for mechanical engineering
 Characterisation of surfaces



Ensam CER Lille
 Arts et Métiers ParisTech

Compinnov' Open Lab

Implementation of composite materials
 Modelling of assemblies and structures
 Durability, reliability-based approach, damage tolerance



GeM/école centrale de Nantes & Université de Nantes, LMT/ENS Cachan, CNRS/Insis

Latep

Pressure equipment



Armines, École des Mines de Douai

Transméca

Mechanical transmissions



CNRS, Insa Lyon

Cetimat

Surface engineering and in-service behaviour of materials



Cirimat, CNRS, Institut polytechnique de Toulouse, Université Paul Sabatier

Luppia

Machining – Powders and processes for additive manufacturing – Interfaces in mechanical assemblies



Enise, école des mines de Saint-Étienne

Ledith

Two-phase flows and hydraulic technologies



VKI, Von Karman Institute

Lerded

Sealing



Université de Poitiers, Ensm, CNRS/Insis, Pprime Institute

LAMFM

Material forming



Arts et Métiers ParisTech-Metz



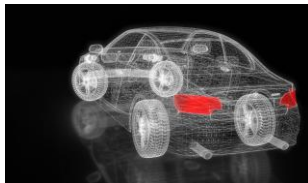
Industrial services

Active international presence	17
Supporting all industries	18
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Asia Pacific center of excellence	22
Engineering services	23
Cetim Academy	24
Industrial Software	25

Active International Presence



We support 6,000+ Clients in all Industries



Automotive



Defense



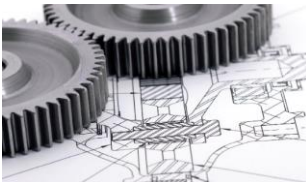
Railway



Off road & Mining



Aerospace



Manufacturing



Oil & Gas



Energy



Health & Medical



Marine / Submarine



Luxury



Construction

Energy market: Few of our Clients



ExxonMobil



subsea 7



NESTE



Schlumberger



SULZER



Aerospace market: Few of our Clients



Automotive market: Few of our Clients



GROUPE RENAULT



Our Asia Pacific Centre of Excellence



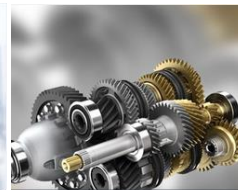
Failure Analysis & Forensic Investigation



Expert Witness for Litigation



Laboratory Services



Power Transmission



Asset Integrity Management



Material & Corrosion Assessment



Condition & Life Assessment



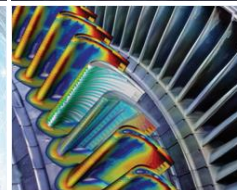
Non-destructive Testing (NDT)



Training



Software



Simulation



Metrology

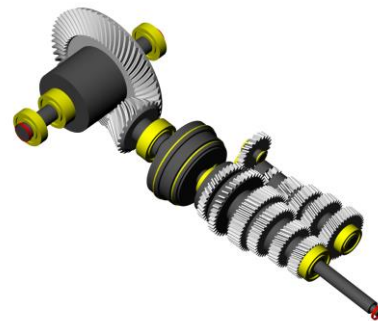
<https://cetim-matcor.com/services/>

Our services

Engineering, Design Support

A multidisciplinary offer for the design and redesign of products and processes

Engineering for industrial R&D and innovative projects



Testing, Simulation

Tests engineering - Checking of products and equipment
Characterisation and support for the choice of materials and treatments

Validation, improvement of product reliability - Certification

Consulting, Expert Analysis, Training

Overall industrial performance – Asset Risk management and statutory compliance

Expert analysis of failures: materials, components, facilities
Inter and intra technological training sessions



Our Training Centre



MATCOR
a cetim company

FOUR MAIN CATEGORIES:

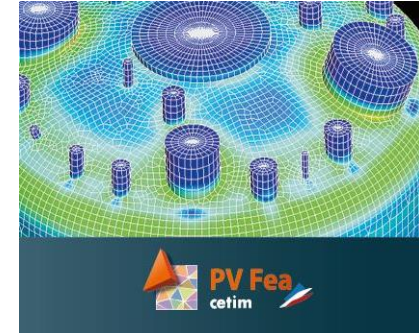
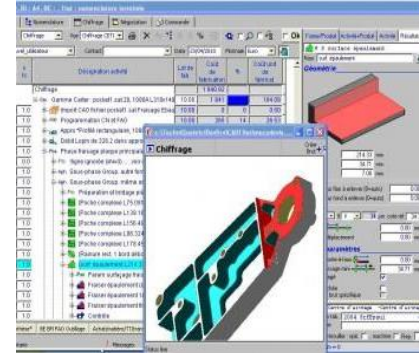
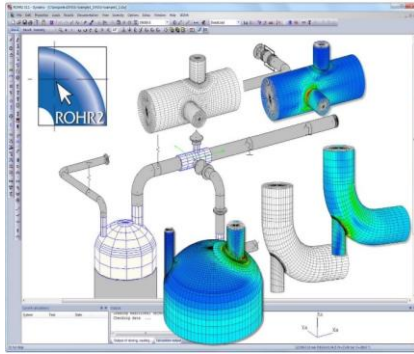
- FAILURE ANALYSIS 450 EXPERTS WORLDWIDE
- INDUSTRY 4.0 400 TRAINING PROGRAMS
- MANUFACTURING PROCESS 25 TRAINING CENTERS
- MATERIAL DESIGN STANDARD & CUSTOMISED TRAINING

CETIM ACADEMY
going for the future



<https://cetim-matcor.com/training/>

Our software



Let's discuss your project and see
how we can help

matcor@cetim-matcor.com

www.cetim-matcor.com

Follow us on



Cetim-Matcor, your partner
towards your Industry 4.0 transformation

ANNEXES



France – Senlis – Cetim group Headquarter



Anechoic chamber



Seismic Bi-axial shake table



Our facilities - Senlis (France)



NDT
Platform



Mechatronic
Hall



Fatigue test
and machining
platforms

Our facilities - Saint-Etienne (France)



Testing hall



Collaborative
machining and
Additive
Manufacturing
center



Our facilities - Nantes (France)

Hydraulic
testing
laboratory



Sealing
laboratory



Our facilities - Morocco - Casablanca

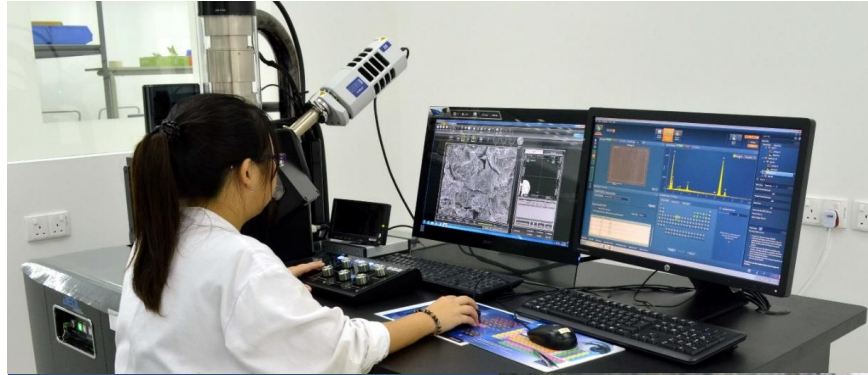
Testing
laboratories
(Cofrac) in
Casablanca



Fatigue,
Tensile,
Stress rupture
and elongation
creep, ...



Our facilities - Singapore - Malaysia



Laboratory and regional
center of expertise
in Singapore

Failure analysis and forensic
engineering investigation,
NDT, consulting, simulation,
testing, software, training



Our facilities - Malaysia and Japan



Regional
office in
Kuala
Lumpur, MSB

Strategic
partnership
with KMTL
(Kobe
Material
Testing
Laboratory
Co., Ltd)



KMTL Kobe Material Testing
Laboratory Group

