



Jean-François MAUREL

Profile: Mechanical engineer, training and continuous development skill specialist, with special knowledge ISO GPS tolerancing, pressure vessel, piping, metallic structure, and crane design.

Trainer and training session developer for every industrial field where mechanic is involved.

Personal data



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born on April 4th 1958



married, 1 child



French

Technical skills

- ✓ Geometrical Tolerancing ISO - ASME
- ✓ Codes and standards:
 - Pressure Vessel
 - Piping
 - Crane
 - Structure

Major Accomplishments

- ✓ Company management
- ✓ Training products
- ✓ Development of standards
- ✓ Book authoring

Language

- ✓ French: native speaker
- ✓ English: professional use
- ✓ German: translation
- ✓ Spanish: occasional use

Hobbies

- ✓ Hiking
- ✓ Music
- ✓ Ornithology
- ✓ Running

Professional Experience

2020 – 2025	VELAMA Trainer
2000 – 2020:	PIMECA Company creator and manager – Chief Technology Officer
1989 – 2000:	CETIM 'Centre Technique des Industries Mécaniques' Computing and Standards unit manager
1984 – 1989:	Bureau Véritas (Head office) Complex design studies assessment and oversea office support
1982 – 1984:	ELF Energy Research studies for the validation of a new insulating material made of recycled glass

Education

1981 Engineer INSA Lyon (Mechanical Engineering)
'Institut National des Sciences Appliquées' in Lyon (France)

Major accomplishments

Creation and management of PIMECA company:

Private company (Turnover: 600 k€) providing technical training and continuous professional development session in mechanical engineering in most industrial fields (e.g. automotive, aerospace, transportation, energy, oil and gas, defense, watchmaking.)

Development and management of training products:

Course development, Virtual classroom development, technical and commercial offers, validation of training with customers, quality management (qualification), training of trainers, providing training in either French or English language.

Technical Skills

Geometrical Product Specification ISO – GPS ('Geometrical Product Specification'):

Project leader of a new issue of ISO 2692 standard –Maximum Material Requirement (MMR), Minimum Material Requirement (LMR) and Reciprocity Requirement (RPR)

Active participation in international meetings of ISO Technical Committee 'Dimensional and geometrical product specifications and verification', ISO TC 213 (2 weeks twice a year)

Active participation in the committee 'Spécification géométrique des produits' of the French standardisation organisation 'Union de Normalisation de la Mécanique' (UNM)

ASME Y14.5 GD&T (Geometrical Dimensioning and Tolerancing) training session development and delivery either in French or English language.

Pressure vessel, piping, tank:

Research project (numerical analysis – testing – mathematical models) aimed at developing analytical rules on piping junctions design. The results of those studies have been incorporated in CODETI (French piping code) edited by SNCT (French piping and pressure vessel manufacturer association) or in European standard EN 13480 (Piping design).

Research project (numerical analysis – testing – mathematical models) aimed at developing analytical rules for the design of tanks with frangible roof. The results of those studies have been incorporated in CODRES (French code on tank design edited by SNCT)

Involvement in CEN ('European Committee for Standardisation') activities for the development of EN 13445 standard on the design of pressure vessels. Writer of EN 13445 rules on the design of pressure vessel submitted to external pressure against buckling.

Miscellaneous

Management and development of Information Technology projects:

Web application to manage customers data and administrative documents (e.g. invitation, certificate, invoice) with tools such as MYSQL, Java EE

Course content database development (XML language) together with a tool chain to operate those contents with XSLT transforms in order to issue courses with various format (e.g. pdf, html)

Web training course server development

Commercial Web site development and management

Author of the book '**Génie mécanique**' DUNOD editor
in DUNODTECH collection (484 pages) in French.

