

# Jean-Philippe Melano

Civil Engineering and Urban Planning Engineer



## Profile

66 years old  
Seniority: 15 years, partner  
Spanish  
English

**All building trades and professions**

**Civil engineering, hydraulics, technical equipment,**

**Maritime construction**

FUEDI Loss Adjustor, Member of CEA  
APSAD certified

## Education

**Degree in Engineering – I.N.S.A.**  
Toulouse

**Degree in Economics**  
Toulouse

## Professional background

**Equad**  
Expert for insurance companies

**Francexpert**  
Expert for insurance companies

**Générale des Eaux**  
Technical and sales manager

**Colas**  
Earthmoving, road works, maritime works

**SGE**  
Head of Construction Sites

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## Key areas of expertise

### Construction

- Comprehensive construction site risk (OrlyVal, Prado-Carénage, etc.)
- Structural cracking following underpinning
- Demolition causing damages on existing structures
- Fires during on-going construction projects
- Major damages on structural frameworks
- Quality flaws on concrete during mixing or pouring
- Construction delays causing claims for consequential losses

### Roadways and Other Networks

- Breakdown of underground grids causing third-party losses
- Mathematical modelling of meshed grids

### Petrochemicals

- Ethylene production reactor breakdowns
- Valve leakage on process systems
- Vibratory phenomena on alternating compressors
- Gas turbine blade breakage
- Pipeline corrosion
- Production loss claims following downtime

### Hydraulic Production or Distribution Systems

- Sizing errors in rock-fill and earth-fill dams
- Pipeline corrosion and scaling
- Accidental leaks causing third-party losses (maritime)

### Maritime Loss Adjustment

- Breakage of struts causing dismasting and bodily harm
- Separation of trimaran deck honeycomb structures
- Delamination of composite material hulls
- Serial damage on defective metal parts
- Flawed repair on bulk carrier hatch cover
- Damage to hydrocarbon unloading platform
- Buckling of an overhead travelling crane used to handle containers
- Deterioration of concrete maritime works structures

### Industrial Refrigeration Equipment

- Disruptions in refrigeration chain causing merchandise losses
- Breakage on machines, compressors or refrigeration equipment
- Errors in equipment design or implementation
- Identification of defects and remedies to unsuited refrigeration

### General

- UN claims adjustor
- Loss adjustment for P&I Clubs at international level (maritime)