

Louis De La Monneraye

Façade Engineer



Profile

37 years old
Seniority : 3 years, associate
English

Curtain wall systems

Glazing (Insulated / tempered / laminated glass) - Structural glass

SGS – PFG (Structural glazing system – Bolted or Point-fixed glass Façades)

Sealing compound for facade, glazing, sanitary – SGS structural mastic

Metal, PVC and wood joinery

**Façade waterproofing
Insulating cladding**

Thermal envelope of the building - DTS (Dynamic Thermal Simulation)

External thermal insulation

Structures (Material resistance)

Envelope products: water and air tightness tests, impact tests on guardrails

Participation in the standardization group: ISO TC59-SC8 CEN TC349

Participation in certification committees and/or working groups: SNJF (sealants), CEKAL, NF 220 PVC windows, NF 030 scaffoldings, QUALICOAT, QUALANOD, CE marking

Education

Arts et Métiers Engineer (ENSAM PARIS)

INDUSTRIAL ENGINEERING specialization (Engineering sciences, methods and process engineering, production organization, quality, management, materials mechanics and resistance, "Lean Manufacturing", heat, acoustics).

Technology degree – PHYSICAL MEASUREMENTS (ORSAY)

Professional background

Ginger CEBTP

Head of the Inspection Department, Head of Certifications
Business manager
Application Manager
Manager of a COFRAC ISO CEI 17025 accredited laboratory

ITRON SAS

Technical Support in R&D

LPNHE (Laboratory of Nuclear Physics and High Energy)

HESS 2 telescope project: Assembly of a test bench (transistor-photodiode)

Louis De La Monneraye

Façade Engineer

Key areas of expertise

Glazing

- Infiltrations on glass roofs
- Annealed or tempered glass unit breakage
- Failures on point-fixed Structural Glazing systems
- Delamination issues with laminated glass
- Breakage and fogging of insulating glass units (IGU)
- Failure of structural elements made of tempered glass
- Pollutions and optical distortions of reflective glass under chemical or mechanical attacks

Curtain Walling

- Air and water tightness
- Faulty mechanical resistance
- Failures on weatherboarding / cladding
- Failures on building roofing made of ribbed steel or Aluminium sheets

Building envelope engineering

- Structural calculations
- Wind force calculations
- Analysis and calculation of thermal performances
- Analysis and calculation of acoustic performances
- Digital mock-up and BIM process

Façade / cladding

- Coating delamination
- Delamination of brick and earthenware plates
- Defect of the external thermal insulation
- Search for hidden defects