

Claude Bogacz

Mechanics and Process Engineer



Profile

58 years old
Seniority : 7 years, associate
English

Curtain wall systems

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

Metal, Wood and PVC joinery

Glazing

Insulating weatherboard and
cladding

Air and water tightness

Thermal and aeraulics
calculation

Hygro-thermal calculation

Thermo-mechanical
calculation of glass

Structural calculation

Acoustics

Specialist engineering building envelopes – Former member of the Board of Directors and the Executive Committee of the certifying body of glazing CEKAL

Education

Engineer – Engineering School of the National Conservatory of Arts and Crafts – Mechanics – Structures – Process

EICNAM – Paris III

DEST (Master) – Mechanical Structures and Systems

National Conservatory of Arts and Crafts – Paris III

DU – (Bachelor) – Engineering Facades – University of Evry

DUT – Mechanical Engineering and Process – University of Evry

Professional background

Façades Design Ingénierie – Studies office / Engineering Consultancy – Rooflights, Lightweight Facade and joinery

Founder Manager – Engineer

Façades 2000 – Studies office / Engineering Consultancy – Rooflights, Lightweight Facade and joinery

Director – Engineer

Coplan Ingénierie – Studies office / Engineering Consultancy – All trades

Agency Director

CEBTP

Regional Director « Ile-de-France » – Studies & Projects
Directeur of Building Envelops Division

ATM (Subsidiary of CEBTP)

Director of the company – Manufacture and sale of test equipment for the building envelope

Rinaldi Structural

Studies and structural Engineer

Permasteelisa

Studies and structural Engineer

CFEM Façades

Studies and structural Engineer

Claude Bogacz

Mechanics and Process Engineer

Key areas of expertise

Engineering of the building envelope

- Structural calculations
- Analysis and calculations of thermal performances
- Analysis and calculations of acoustic performances
- Digital mockup and BIM process

Glazing

- 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 components made of tempered glass
- Pollutions and optical distortions of reflective glass under chemical or mechanical attacks

Curtain Walling

- Air and water leakages
- Faulty mechanical resistance
- Failures on weatherboarding / cladding
- Failures on building roofing made of ribbed steel or aluminium sheets
- Calculation – Building lightweight envelopes – Thermal, Structural, Acoustical

Joinery

- Air and water leakages
- Malfunctions of side hung and swinging window frames
- Window deformations under structural movements
- Water leakages of glass rooflights

Horizontal Sealing

- Roof terraces leakages (flawed execution or design, accidental puncture, plantation effects)
- Metal-framed rooflights leakages