

# Bruno Sanchez

Thermal Engineer



## Profile

58 years old  
Seniority : 15 years,  
associate  
English

**Steam production**

**Heating, ventilation, air  
conditioning**

**Air conditioning (building  
and industry)**

**Heating systems**

**Centralized technical  
management (CTM)**

**Sanitary plumbing**

**Buried networks**

**Gas regulations**

## Education

**Engineering Degree, HEI – Electrical Engineering**

## Professional background

### **GAB Robins**

Expert for Insurance Companies (civil liability, RCD, TRC, TRME risks)

### **Elex**

Expert for Insurance Companies (civil liability, RCD, DO, PUC risks)

### **CFERM**

#### **Engineering**

Head of Air Conditioning Engineering Project Management Missions  
Project manager of a plastic container plant construction

### **Dalkia – Operations**

Head of Operations-district heating plant

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## Key areas of expertise

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### Air Conditioning

- Defective performance of air conditioning facilities
- Corrosion on chilled water systems
- Water damage due to fracture of PVC and flexible hose systems
- Air cooling and evaporator freezing on refrigeration units
- Refrigerator unit compressor and flexible hose system breakage
- Equipment malfunctions and failures
- Uncontrolled hygrometry levels
- Presence of condensation

### Heating – Ventilation

- Defective performance of heating facilities
- Energy overconsumption
- Corrosion of urban heating systems, boilers and heating systems
- Water damage due to pipeline fracture
- Equipment malfunctions and failures
- Presence of condensation
- Non-compliance of Controlled Mechanical Ventilation facilities
- Water treatment defects (cold water, warm sanitary water and steam)
- Fuel burner and gas malfunctions
- Deterioration on heat exchangers: corrosion, fissures, joints
- Boiler room fires
- Defects on wall-mounted boilers

### Plumbing – Sanitary

- Design of hot sanitary water production systems
- Corrosion of embedded piping and water tanks
- Presence of legionella in cold water and warm sanitary water systems
- System overpressure

### Gas Infrastructures – Grids

- Carbon monoxide poisoning
- Explosions
- Regulations governing buried grids
- Systems overpressure
- Damages to buried networks