Experience the excitement and challenges of industrial research - AGC’s Technovation Centre is recruiting a Telematics Antenna System Researcher for its antennas department

AGC Glass Europe offers challenging, and highly rewarding career opportunities. Join a leading international glass company, share a global stage of incredible opportunity with more than 50,000 employees world-wide. Work and grow alongside some of the brightest people in your field.

Our passion is glass. We work every day at turning it into a material opening up new and unexpected market opportunities. Glass creates emotion by connecting people with their environment. Could it connect us with you?

AGC Glass Europe
Based in Louvain-la-Neuve (Belgium), AGC Glass Europe is the European branch of the AGC Group (Asahi Glass Co., Ltd), the world’s leading producer of flat glass. It produces, processes and distributes flat glass for building (exterior glazing and interior decoration), automotive (original glass and replacement glass) and smart screen applications.

AGC Glass Europe currently employs some 14,000 people. Its industrial facilities comprise 18 float glass lines, 10 automotive glass processing centers and more than 100 distribution-processing units in Europe, stretching from Spain to Russia.

AGC and its Technovation Centre in Belgium
AGC's Technovation Centre based close to Brussels (Gosselies, Belgium) mobilises its 300 researchers, engineers and technicians to:

- turn glass into a material meeting a growing range of needs (energy control, comfort, safety and health, aesthetics)
- engage in radical innovation with technological breakthroughs opening up new market opportunities. Antibacterial glass, Glassiled Motion for dynamic facades, the Google Jamboard for multi-touch screens are just some of our latest innovations.

You – in the Antennas Department at the Technovation Centre (Belgium)
As part of the Technovation Centre, the Antennas Department employs approximately 25 people. The department is in charge of managing projects focusing on how to integrate electronics and communication/connectivity elements that will provide an added value for the building and automotive industries in various glass applications. To challenge the strong demand for connectivity on cars, antennas for major OEMs are designed (by simulation and prototyping), tested, validated and manufactured in a state of the art anechoic chamber located at the Technovation Centre. As a Tier 1 glass supplier, the department also has direct contact with all major OEMs in Europe.

You – telematics antenna system researcher:

We are looking for a connectivity system expert to support the integration of telematics glass antennas into a complete solution for OEMs.

You will work in close collaboration with the R&D Team responsible for antenna design. In the field of telematics antennas (4G-LTE, 5G, V2X DSRC, C-V2X, Wlan, GNSS, SDARDS, etc.), you will be responsible for
• Defining the antenna architecture: recommending the best glass antenna architecture for OEM based on OBU architecture, connectivity trend, regulation, etc.
• Understanding the landscape: identifying telematics standardization, regulations and trends (i.e. 3GPP, 5GAA, chipset release, OBU characteristics etc…)
• Integrating our glass antenna prototypes into a telematics system: considering packaging aspects, connectors, electronics, etc.
• Organising validation of the system: defining testing scenarios, analyzing results, extracting the relevant performance indicators
• Benchmarking competitors’ solutions: carrying out similar testing with relevant market alternatives, identifying our differentiation factors

**Required Profile**

• Master/PhD in Electrical Engineering, or related field (e.g. telecom, antenna, electromagnetics, …)
• 3+ years of relevant experience in telematics and/or wireless industry, ideally in major OEM tier integrator company such as Continental, Valeo, Bosch or associated
• A relevant experience in the automotive industry with strong technical knowledge of automotive telematics solutions (architecture, control unit, KPIs and key parameters) with a focus on testing methodologies and setting-up validation protocols
• Demonstrated research and problem solving skills via prior work experience
• Experience in project management, roadmap definition, planning follow-up
• Technical knowledge of RF system, feedline, propagation loss, interference and coupling, and electronics (RF front end, amplifier, etc…)
• Understanding of software aspect and programing to interface various equipment (OBU, RSU, field test and over-the-air experiments)

**General skills**

• Strong work ethics and integrity in a team environment
• Pragmatism, solution oriented, perseverant, autonomous
• Proactive, self-starter and ability to pay attention to details
• Rapid understanding and strategic thinking
• Analytical mindset and ability to deliver under pressure with tight planning
• High work quality in view of Automotive standards
• Ability to multi-task, meet deadlines and manage many different projects at once
• Excellent English skills, knowledge of French is a plus

**Why You Should Apply**

• You’ll be part of a committed, smart, respectful, and fun team
• You’ll get wide-ranging exposure to different aspects of glass and technology.
• We offer competitive compensation with 40 days holiday, a casual office environment, and respect for autonomy

Interested – apply in writing to Mélanie Bayot – AGC Technovation Center – Rue Louis Blériot 12 – 6041 Gosselies (Belgium) – Melanie.Bayot@eu.agc.com