

## South Korea-UK Global Network (UK visit)

### *Event Overview*

- Date/Time : 13:00-16:00, 4<sup>th</sup>, December
- Place : AMRC KTC, Rotherham, UK
- Host : AMRC KOREA
- Purpose : To build global network for overseas expansion and for KOR-UK R&D collaboration
- Meeting Format : B2B, South Korea/UK company presentations, Q&A, open discussion, networking
- Timetable:

Time	Activity
13:00-14:00	Company overview presentations
14:00-16:00	B2B meetings

*\* Company posters will be posted for companies that are not available for visiting UK due to schedule conflicts so the poster session will be included.*

The event expects four Korean companies to visit the UK. Especially on the 4<sup>th</sup> December, meetings with AMRC industrial members are planned as Korean companies desire to discuss their business and technology collaboration with them. Each company has capability to develop its own technology, and they would like to have meetings on the following agendas:

<b>Hanjoo Metal</b>	
<b>R&amp;D Collaboration</b>	<ul style="list-style-type: none"> <li>- R&amp;D technology development of Aluminum eco-friendly parts (electric vehicle)</li> <li>- Smart factory technology R&amp;D</li> </ul>
<b>Commercial collaboration</b>	<ul style="list-style-type: none"> <li>- Companies with electronic stirring parts, electric vehicle parts</li> <li>- Companies with Aluminium die casting equipment (casting machine, sleeve, painting parts, parting agents)</li> </ul>

<b>NGM</b>	
<b>R&amp;D Collaboration</b>	- International R&D collaboration for application to automotive, vehicle frame, air conditioning and heating tube, heatsink, power line, high-performance camera body, metal PCB, etc.
<b>Commercial collaboration</b>	- Companies related to electric vehicle parts, ESS, automation parts - Hetero-composite manufacturing technology R&D, licensing technologies, production and sales of hetero composites with multi-functionality (light weighting, high strength, high radiation, high corrosion resistance and low cost) - Foreign investment for constructing mass production system for hetero-composite production and sales

<b>Nthink</b>	
<b>R&amp;D Collaboration</b>	- Repairing automation equipment development of aircraft composite parts with 6-axis dynamic motion platform - High precision machining automation equipment development with articulated 6-axis dynamic motion platform
<b>Commercial collaboration</b>	- Companies capable of applying 6-axis dynamic motion platform equipment (especially aerospace and marine/shipbuilding companies) - Companies with cloud-based elevator MRO platform

<b>Jungrok</b>	
<b>R&amp;D Collaboration</b>	- Plasma+3D printing technology development for PCB (Printed Circuit Board) repair - High strength metal filament development for induction type high strength metal 3D printer
<b>Commercial collaboration</b>	- Metal 3D printing prototyping/light weighting parts manufacturer - PCB(Printed Circuit Board) manufacturers to apply repairing technology with 3D printing

<b>Ajin Industrial</b>	
<b>R&amp;D Collaboration</b>	<ul style="list-style-type: none"> <li>- Multi-strength hot stamping application technology to automotive parts (Tailored strength center pillar parts with selective heating+press quenching, CFRP patch and GFRP rib's reinforcement application to multi-material lightweight automotive parts)</li> <li>- Thermosetting CFRP and CFRTP application to automotive parts (BIW) (Prepreg compression molding automation, steel bracket+CFRP Floor 1-step forming process, LFT insert molding)</li> <li>- CFT Winding+LFT Insert Molding technology development (Continuous fiber thermoplastic : carbon fiber, long fiber thermoplastic : glass fiber)</li> </ul>
<b>Commercial collaboration</b>	<ul style="list-style-type: none"> <li>- Mass production for small quantity-various production to secure the break-event point</li> <li>- Manufacturing of automotive parts with 3DP</li> <li>- Smart factory technology for factory automation and optimization</li> <li>- Mass production for carbon composite automotive parts</li> </ul>