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Time To ACT PLC
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**Time To ACT plc**
("Time To ACT", "the Company" or "the Group")

**Approval of Core GreenSpur Generator Patent Delivering Cost and Supply Chain Advantages**

Time To ACT plc (AQSE: TTA), an engineering-led group focused on technology for the energy transition supply chain, is pleased to announce that a core patent application within its GreenSpur activity has been approved for grant by the European Patent Office.

The patent covers GreenSpur's proprietary flat strip coil architecture which enables the use of precision-formed conductive aluminium strip instead of traditional copper windings. The GreenSpur approach overcomes the inherently lower conductivity of aluminium compared to copper. The patent grant covers any axial flux motor or generator use.

The ability to replace copper with aluminium is strategically significant. Rising demand for copper across the full range electrification applications is widely expected to lead to shortages in supply and higher prices. Aluminium is produced from an abundant raw material (bauxite), is recyclable and benefits from a diversified global supply base.

This invention is already protected by granted patents in the United States, China and the United Kingdom and forms one of the foundational elements of GreenSpur's global intellectual property portfolio.

**Chris Heminway, Executive Chairman of Time To ACT plc said:**
*"We are now putting the finishing touches to the GreenSpur product development, with 50+ patents granted across 9 different inventions. As well as the substitution of copper with aluminium in our coil design, it should not be forgotten that the GreenSpur generator platform is also wholly magnet agnostic and, as such, can offer a Rare Earth-free or Rare Earth or intermediate/gap magnet solution. In a world where supply-chain concerns are now coming to the fore, we began the GreenSpur development a decade ago with an early eye on the use of sustainable materials. We are now ready to move GreenSpur into full commercial deployment, whether in the form of generator designs, platform licensing, individual component licensing or other monetisation routes".*

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| **Time To ACT plc**<br>Chris Heminway, Executive Chairman<br>Gary Wallace, Chief Financial Officer<br>Investor questions on this announcement: | Tel: +44 (0) 1642 967138<br><br>https://investors.timetoactplc.com/link/r6V31r |
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**About Time To ACT plc**

Time To ACT plc is an engineering-led group focused on technology for the energy transition supply chain. It currently has two principal operating businesses: Diffusion Alloys and GreenSpur. As the parent company of the Group, Time To ACT provides strategic and operational support to the operating companies and capital to enable their growth.

**About Diffusion Alloys**

Diffusion Alloys supplies diffusion coatings. A diffusion coating is an intermetallic layer that protects metal components from degradation at high temperatures and in highly corrosive environments, such as those found in hydrogen and nuclear energy generation.

Diffusion Alloys has joined forces with Johnson Matthey plc, the market leaders in synthesis gas ("syngas") with a significant pipeline of Blue Hydrogen projects, to scale-up production and address the increasing demand for low carbon hydrogen used to reduce global carbon emissions.

In addition to working for numerous historic and existing customers, the Directors believe that Diffusion Alloys is the only credible diffusion coater in the world for blue hydrogen components, has already been coating in volume for a leading European vendor in the green hydrogen space and is also in pre-commercial discussions with new cleantech equipment manufacturers.

Diffusion Alloys has two distinct areas of focus:

- Coating Technology: Selling technical excellence in coating capability supported by the concept of "flexible capacity" - the ability to provide customers with capacity wherever they need it, whether for the coating of Large Parts or Small Parts.
- Coating Services: Plant-led coatings business centred on its Middlesbrough site.

**About GreenSpur**

GreenSpur is an intellectual property creator and generator designer that has developed a credible solution for renewable energy applications to the Rare Earth magnet problem.

Magnets constructed using Rare Earth Elements (REEs) are fundamental components in electrical generators and electric vehicle motors which are critical to delivering the clean energy transition. However, there are substantial supply chain constraints and risks in the sourcing of REEs that are needed for these magnets.

GreenSpur's generator design eliminates the need for Rare Earth magnets and copper coils without any loss in electrical performance.

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