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# Globe Scott Motors

## Innovative Motor Solutions for the Rail Industry

**W**ith over 25 years' experience developing innovative motor solutions for the rail industry, Globe Scott Motors is renowned for its flexibility, quality and engineering expertise.

**Globe Scott Motors** is an internationally-renowned manufacturer of gear boxes and DC motors, and was the first to manufacture permanent magnet DC (PMDC) motors in India.

Created as an Indo-US joint venture in 1985, the company has gone from strength to strength, growing to become one of the most technically-advanced manufacturers in the sector.

Today the ISO 9001 2015 certified company has 120 staff – 25 of which are electrical, electronic and mechanical engineers focused on research and development (R&D), production and quality control.

To date this team has created over 5,000 different product designs for a wide variety of sectors from

industry to transport. Not one to rest on its laurels, the company continues to innovate, with its team of expert engineers most recently developing **brushless DC (BLDC) motors**.

### Motor Solutions for the Rail Sector

Well known for its **railway signalling solutions**, Globe Scott Motors offers a wide range of products for the rail industry including wound field motors, electric lifting barriers and electric point machines and even a BLDC motor for railway carriage fans.

Its motors feature rugged enclosures, high-energy magnets and precision gears and undergo rigorous testing procedures, and the company ensures that all products not only have a long life, but are also cost effective. In its home country, Globe Scott Motors is Indian Railways' chosen provider of motors. It has been working with the rail operator for the last 20 years, and has supplied over 150,000 motors.

It's understandable then, that demand is also growing overseas, and today the company regularly exports its products to various sectors across Europe and Africa and it aims to include the rail industry in this list.

### Watertight Motor Provides Solution for Heavy Rain

One of Globe Scott Motors's most innovative rail sector products is the watertight IP67 wound field motor. This was specifically developed in response to the challenges facing Indian Railways during the monsoon season, and is currently the only product of its kind.

*“In India there is a heavy monsoon, especially in Mumbai, Delhi, parts of Chennai and Kerala. During this time many of the rail tracks become flooded and the point machines get filled with water, which can lead to motor failure,”* explains Cangi Calan, Managing Director at Globe Scott Motors.

*“This problem costs the railway industry a lot of time, money and service delays and a lot of manpower is needed to fix or replace motors affected by the monsoon.*

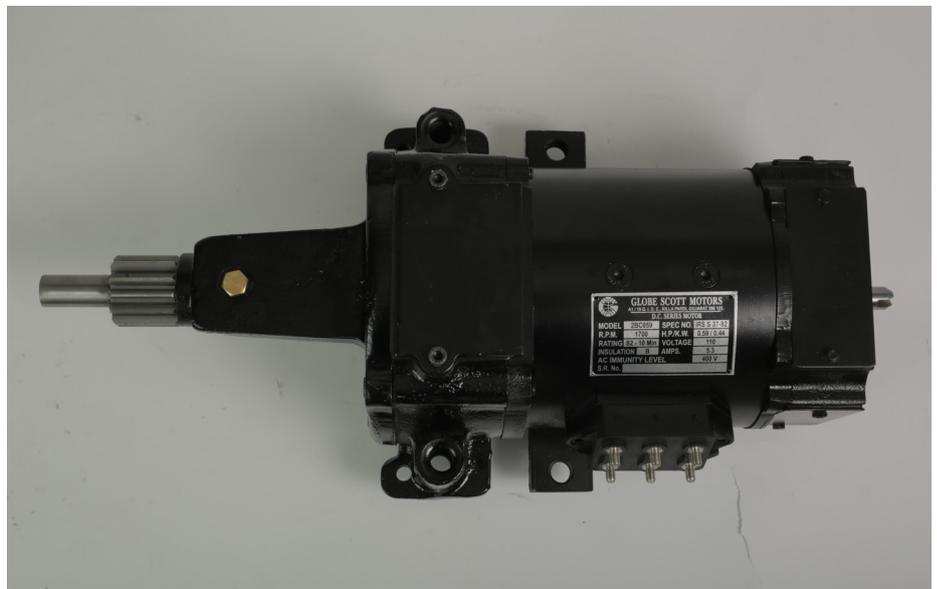
*“In response to this issue, our experts developed a special waterproof motor, the IP67. So much time and money has been saved, and it’s been great to hear from railway engineers telling us that they can now sleep properly during the rainy season and no longer dread receiving a call at two, three or four AM to rush out and replace a motor,” he says.*

Although developed with India in mind, this product will benefit rail operators around the world. Extreme weather is sadly becoming more common place – take the **disastrous flooding seen in Germany and Belgium** just last July – which shows the need for **railways to adapt in response to climate change.**

This is just one small solution that can help the sector fight back, and ensure rail continues to be a reliable, eco-friendly travel option now and in the future.

## Why Choose Globe Scott Motors?

Known for its high-quality, cost-effective and innovative products, Globe Scott Motors is the perfect partner for rail operators. Its in-house R&D team can develop flexible, one-of-a-kind solutions that meet a customer’s bespoke needs, with engineers providing ongoing technical support as needed.



**If you’re interested in finding out how Globe Scott Motors can support you, why not get in touch with our Director, Niyatee Cangi, on**

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