

En Route to Efficiency

EPG's Greenplan Recognized by the Research Allowance Certification Body (BSFZ) for Ongoing Innovation in Logistics Optimization

EPG (Ehrhardt Partner Group) is proud to announce that its Greenplan solution has been officially recognized by the Bescheinigungsstelle Forschungszulage (BSFZ), the German Research Allowance Certification Body, as an active contributor to research and development in the field of logistics and mobility optimization. This certification affirms that EPG's Greenplan team conducts qualified scientific and technological development, contributing to research excellence in Germany.

Introduced in 2020, the BSFZ framework aims to strengthen Germany's position as a center of innovation and to encourage R&D investment across industries. Receiving the research certification is an important distinction within the German innovation ecosystem. It demonstrates that EPG's Greenplan development qualifies as industrial research and experimental development, contributing to the advancement of scientific and technological understanding within logistics planning, transport optimization, and sustainable mobility systems.

The Science of Dynamic Routing

Developed by researchers at the University of Bonn in collaboration with logistics experts at DHL, the Greenplan algorithm is a fusion of academia and application. The system employs a mathematically optimized, dynamic routing model that integrates historical traffic data, time-dependent road speeds, vehicle capacities, and customer-specific business rules. Unlike traditional route planning, Greenplan recalculates routes in real time, factoring in ad hoc orders, traffic, demand surges, and service constraints.

This scientific foundation exemplifies the type of applied R&D recognized by the BSFZ: research that pushes the boundaries of operational efficiency while boosting broader social, economic, and environmental wellbeing.

Research to Real-World Impact

Greenplan's influence extends across logistics, retail, e-commerce, postal, and field service operations. Empirical results from industrial applications show efficiency improvements of 8–20% and significant increases in on-time delivery performance. As customer demands and volumes grow, smarter routing has a growing impact on operational performance and profitability. The BSFZ certification formally recognizes Greenplan's efficacy as the product of mathematical excellence, positioning Greenplan among a select group of solutions that meet the scientific and technological standards defined by Germany's federal innovation policy.

Sustainable, Data-Driven Logistics

"The recognition underscores the scientific rigor behind Greenplan's innovation," said Clemens Beckmann, CEO of Greenplan at EPG. "Our mission has always been to combine data science with real-world logistics. The BSFZ seal validates that our ongoing work is not only commercially impactful but also contributes to the advancement of research in sustainable and intelligent mobility systems."

By enabling transport planners to reduce kilometers driven, fuel consumption, and emissions through algorithmic precision, Greenplan directly supports the energy and climate objectives defined by the European Green Deal. The solution transforms logistics routing into a quantifiable, data-based discipline, a critical step toward sustainable supply chains.

Commitment to Ongoing Research

As EPG continues to invest in innovation, the BSFZ recognition reinforces the company's role as a driver of applied research within the logistics technology sector. "Research is the foundation of every breakthrough," added Beckmann. "The certification strengthens our commitment to scientific integrity, and it encourages us to keep advancing the limits of what's possible in logistics optimization."

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EPG – Smarter Connected Logistics

EPG is a leading international provider of a comprehensive supply chain execution suite (EPG ONE™) and employs 1000+ people in 23 locations across the globe. The group of companies offers its more than 1,600 customers WMS, WCS, WFM, TMS and voice solutions for optimizing logistics processes – from manual to fully automated logistics environments. EPG's solutions cover the entire supply chain: from warehouse and road to ground and cargo handling solutions at airports. Logistics consulting, cloud services, managed services, and logistics training in the company's own academy round off EPG's comprehensive range of solutions.

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