

# Tecnologías sostenibles que cambiarán el mundo

## *Sustainable technologies that will change the world*

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### ABSTRACT

## **In-wheel motors - the key to unlocking tomorrow's mobility**

**Marshall Chapin**

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Technology is changing the world at a blistering pace, and established industries are being rapidly displaced, often in a matter of years. Airbnb, Uber, Netflix, Spotify - all multi-billion dollar businesses which unseated highly entrenched incumbents. Nowhere is this more evident than the transportation sector, and the highly integrated and coordinated automotive industry.

The automotive industry is telling the world that it's reinventing itself too, but the supposedly groundbreaking new vehicles they offer are largely built on the same century-old vehicle designs. Global need for immediate order-of-magnitude improvements in vehicle efficiency combined with a rise in mobility-as-a-service preferences and autonomous systems mean the traditional incremental change in vehicle design will not be sufficient for auto makers to remain competitive.

Indigo Technologies (<https://indigotech.com/>) is working to break this vehicle design paradigm. The vehicles of tomorrow need to be highly efficient, lightweight, modular, and flexible, using advanced manufacturing techniques and materials. Indigo unlocks this future with its core technology, an innovative in-wheel motor with integrated active suspension, which frees vehicle designers from the constraints of encapsulating a traditional powertrain and allows for efficient design.

Marshall will explain how this technology, as well as Indigo's wireless power transfer system, is helping forward-thinking OEMs design and build the future of mobility.