



EV Charging



IEHL LIMITED

Powered by IEHL

Giga Charge *Powering Green Mobility*

Giga Charge is committed to revolutionizing green mobility.

Our ultra-fast charging technology cuts down charging time, enhances productivity, and supports busy lifestyles.

Join us in shaping a cleaner, more sustainable future for South Africa!

Charging Infrastructure Solution:



Ultra-Fast Charging:

Our strategically located charging stations offer ultra-fast charging speeds, allowing most EVs to reach 80% charge in approximately 20 minutes.



Solar-Powered:

We harness renewable energy through solar panels, minimizing our carbon footprint and ensuring grid independence.



Grid Independence:

Our stations operate independently of load shedding or future growth restrictions.



National Network Coverage:



We are rolling out a national network of ultra - fast EV chargers at 150 km intervals at strategic arterial routes across all nine provinces.



By developing fast-charging stations across the country, we incentivize EV adoption, enabling travel beyond urban areas.

National Network Coverage



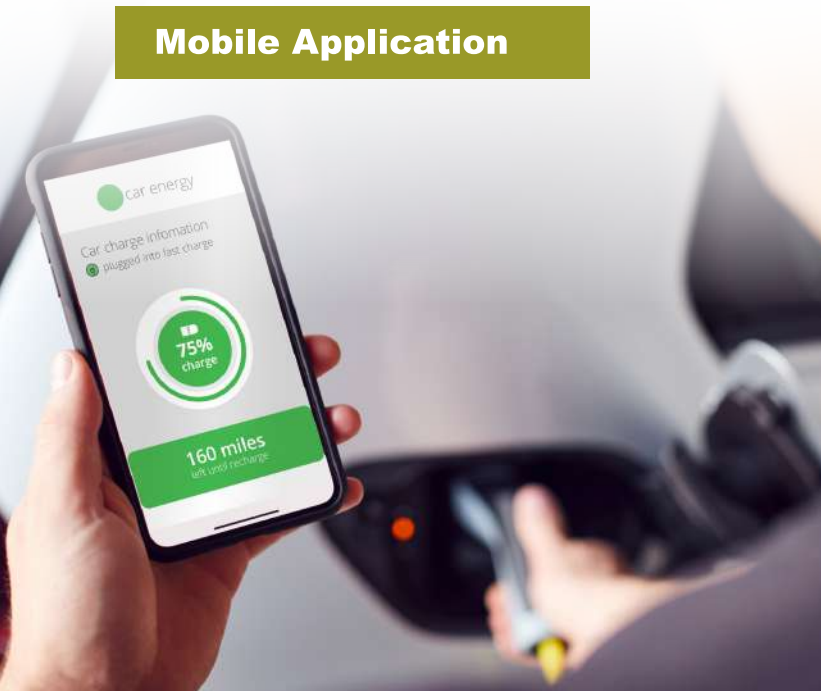
We collaborate with **global manufacturers** to develop and expand EV charging infrastructure.



Strategic partnerships ensure access to cutting-edge technology and support for continuous growth.

User-Centric Features:

Mobile Application



Our user-friendly app allows EV owners to:

- ✓ Find the nearest Giga Charge station.
- ✓ Book their electric vehicle for service.
- ✓ Access the Giga Charging station directory.
- ✓ Integrate multiple devices seamlessly.
- ✓ Participate in a rewards system.
- ✓ Check the current charging station capacity level.
- ✓ Ask questions and seek assistance.

Wireless Charging

Our stations offer **20kW** of wireless charging power, enhancing convenience.

Efficiency

Achieving **90-93%** efficiency with Level 2 charging speed.



Investment Program

- 🔌 We are currently in the midst of our initial fundraising round for our Electric Vehicle (EV) Charging Project. We invite potential investors and stakeholders to join us in this transformative venture, paving the way for a sustainable and electrified future.
- 🔌 Contact us at **+1 212 810 7731** or **info@iehl.co.za** for investment opportunities.

Geographical Focus:

Our initial rollout targets the four busiest locations in Johannesburg North, South Africa:

- North East Zone
- North West Zone
- South East Zone
- South West Zone



GIGA Charge

<https://iehl.co.za/giga-charge/>

Identified Technology Suppliers:

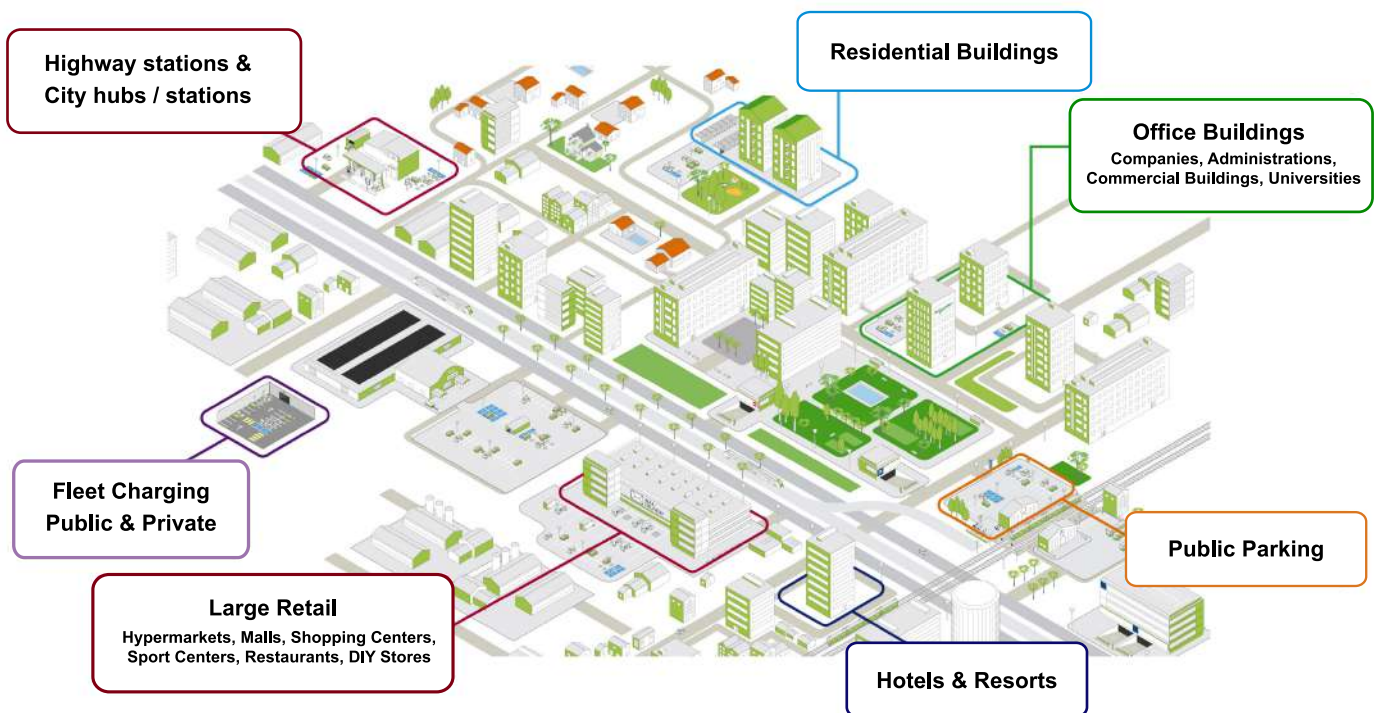
-  **EV Charge**
-  **EV Company**
-  **ChargePoint**
-  **WiTricity**

The Concept of Comfort / Convenience EV Charging Stations offers more than just convenience and comfort; it also ensures reduced risks for vandalism, cable theft and damage to infrastructure.



Most Suitable Locations for Giga Charge EV Chargers

Locations that offer convenience and accessibility make it easier for EV drivers to charge their vehicles while going about their daily activities



Shopping Centers and Supermarkets

Busy areas with high customer traffic throughout the day.

Office Buildings

Convenient for employees who drive electric vehicles.

Convenient for employees who drive electric vehicles.

Easily accessible for EV drivers who need to charge while they are out and about.

Restaurants and Cafes

Attract customers who might want to dine while their vehicle charges.

Airports

Ideal for travelers who need to charge their vehicles while they are away.

Hotels

Provide charging options for guests who are staying overnight.

Service Areas on Highways

Convenient for long-distance travelers to recharge during their journey.

Tourist Attractions

Attract visitors who may need to charge their vehicles while exploring the area.

Educational Institutions

Useful for students, staff, and visitors who drive electric vehicles.

Residential Areas

For EV owners who live in apartments or condos without dedicated parking spots.

Locations

Four red dots are the areas where land has been Site Development of the BESS infrastructure.



Location Address 1

31 Ceder Street - (Sandton) -ERF 3960
Bryanston EXT 3 Portion 0
Coordinates -26.066336, 27.978442

Location Address 2

100 of Crownthorn Portion 0
Coordinates -25.9797593, 28.0754387

Location Address 3

Barlow Park: Greyston, M40, Sandton, 2148
Coordinates : -26.105739, 28.074299

Location Address 4

Corner Ormonde Street & Winnie Mandela
62 – 66 Ormonde Street
Coordinates -26.064077, 28.023650

Securing Land For Development of Giga Charge Infrastructure.

Long Lease agreements to be concluded and signed with Gauteng Road and Transport and the Department of Public Works in the first quarter of 2025.



Charging Modes



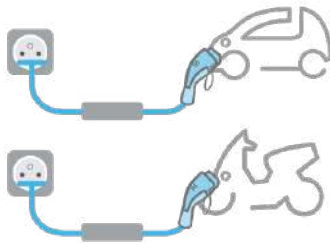
AC ONLY

Mode 1
2.3 kW AC

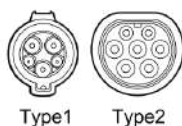


Domestic socket

Mode 2
2.3 kW AC



Domestic socket

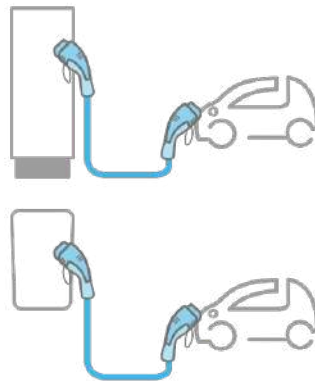


Type1

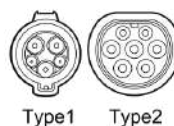
Type2

Mode 3

From 3.7 kW to 22 kW AC



Type2



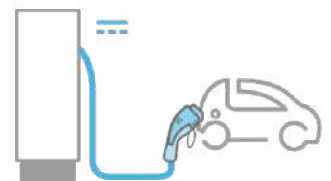
Type1

Type2

DC

Mode 4

From 22 kW to 350 kW DC
50 kW AC



Attached cable



Type2



CHAdeMO



CCS Combo

Policy Alignment

Our project is aligned with the South African government's policies for sustainable mobility, such as:



The National Climate Change Adaptation Strategy (NCCAS) Draft (2019), which outlines the country's response to the impacts of climate change and the need to transition to a low-carbon economy.

https://www.dffe.gov.za/sites/default/files/docs/nationalclimatechange_adaptationstrategy_ue10november2019.pdf



The Green Transport Strategy for South Africa (2018–2050), which provides a framework for the development of green transport technologies and infrastructure, as well as the promotion of behavioral change and modal shifts.

https://www.brundtland.co.za/wpcontent/uploads/2022/11/Green_Transport_Strategy_2018_2050_onlineversion.pdf



South Africa's Renewable Energy Plan (REP) / (EAP) (2022) is a comprehensive strategy to end load shedding and achieve energy security. [progress_on_EAP.pdf.pdf \(www.gov.za\)](#) IEHL'S Giga Charge project also aligns with global sustainability objectives, making it an attractive investment for stakeholders focused on Environmental, Social, and Governance (ESG) criteria.

Phases of Implementation



Phase 1

Foundation and Strategic Alliances Our journey begins with laying a solid foundation, which involves establishing strong operational capabilities and forming strategic alliances. This phase is focused on investing in talent and technology, and forging partnerships with key stakeholders, including government bodies, technology providers, and local communities. These alliances are crucial, as they provide us with the necessary support, resources, and expertise to propel our projects forward.

Phase 2

Pilot Projects and Proof of Concept Following the establishment of a strong foundation, IEHL is embarking on implementing the Giga Charge project. This phase is critical for demonstrating the viability and effectiveness of our solutions. The success of these projects will serve as proof of concept, showcasing the potential for scalability and the tangible benefits they bring in terms of energy efficiency, reduced carbon emissions, and enhanced sustainability.

Phase 3

Scaling and Expansion With successful projects, our roadmap progresses to the scaling and expansion phase. This stage involves broadening the scope of our initiatives, increasing capacity, and extending our reach to more regions within South Africa. It's during this phase that IEHL plans to significantly ramp up its EV Charging capabilities by expanding the network of electric vehicle charging stations. Our aim is to create a replicable model that can be adapted and implemented in different regions, thereby maximizing our impact.

Phase 4

Innovation and Diversification means expanding our services and solutions to new markets and sectors, potentially beyond the borders of South Africa.

Phase 5

Global Integration and Sustainability Leadership The final phase of our roadmap envisions IEHL not just as a leader in South Africa but as a key player in the global sustainability arena. This involves integrating our solutions with global energy and transportation systems and contributing to international sustainability efforts. In this phase, our focus will also be on advocacy, sharing our learnings and experiences, and collaborating on global platforms to drive policy and change towards a more sustainable future. Throughout this roadmap, IEHL remains committed to monitoring progress, adapting strategies as needed, and ensuring that every step we take aligns with our core values of sustainability, innovation, and responsible growth. Our development roadmap is not just a path to business success; it's a journey towards creating a lasting positive impact on the planet and its people.

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