



ELECTRIC VEHICLE INDUSTRY ASSOCIATION

# Introduction

- Founded in 2013 by uYilo, SANEDI, GridCars, BMW SA and Nissan SA as the Electric Vehicle Infrastructure Alliance
- Working group activities served towards a guideline that was adopted and promoted for EV charging plugs, standards and signage for South Africa - Presented to SABS and NAAMSA
- The Electric Vehicle Industry Association is now national platform of multi-stakeholders from public-private sector based consortiums
- Representations include Government departments and agencies, electric vehicle OEMs, electricity infrastructure and suppliers, Electric Vehicle Supply Equipment (EVSE) suppliers and ICT / smart grid service providers

# Objectives

- Create a favorable environment to enable the use of clean mobility in South Africa
- Support the development of policy and regulatory framework
- Promote technologies for E-Mobility and sustainable integration into smart cities
- Support the introduction of sustainable mobility into the urban transportation mix
- Awareness creation for EVs in South Africa
- Promote co-operation and trust amongst the public-private sector

# WG: Charging Infrastructure

- Development of public, private and commercial charging networks for South Africa
- Provide support on improvement of specifications and policy
- Adoption of best practices optimisation of installation requirements
- Advisory of geographical positioning of charging infrastructure
- Advocating for use of cleaner electricity from renewable energy
- Data management (billing options, demand management and energy trading)
- Research into the interoperability of EVs in Vehicle-2-Grid scenarios

# WG: Mobility Concept and EcoMobility Services

- Identifying new E-Mobility innovations
- Identify gaps in Market and E-Mobility Services
- Possible interventions to bridge existing gaps
- Identifying collaboration opportunities

# WG: Communication and Awareness Creation

- Tackle the barriers hindering the adoption of E-Mobility
- Identify and use effective means of communication and awareness creation
- Profile understanding of the behavior and attitude of potential EV users
- Planning for improving buy-in from the intended public
- Strategies for communicating a unified message about EVs from stakeholders

# WG: Battery and Recycling

- Advocate for the introduction of standards of batteries, materials, and designs
- Improvement of battery technologies
- Research on recycling of batteries
- Applied research and development of second life application of spent EV and HEV batteries

# WG: Vehicle Systems

- Introduction of vehicle systems to the value chain
- Identify key challenges and enablers (both legislative and technological) to newer technologies in niche markets
- Skills development and training
- Introduction of new curricula development in higher education systems

# WG: Policies & Incentives

- Identify which policies are important to a country's market of EVs
- Assess the effectiveness of the policies in a country
- Research on introduction of policy and regulatory framework
- Enable the mechanisms of the industrial chain influence the production of electrified vehicles
- Mechanisms of electricity pricing or petroleum pricing, which may influence the purchasing of EVs