
COMPANY PRESENTATION

JAN 2023

BRAND OVERVIEW

Scorpio Electric is a global brand and electric vehicle company, specialising in electric motorcycle manufacturing with a focus on design, performance and technology

Motto

We are born to reach for the stars.

Our purpose is to perfect design, performance and technology.

We are continuously pushing the boundaries to bring about a new era of electric mobility.

TAKE CHARGE



SCORPIO
ELECTRIC

INTRODUCTION TO SCORPIO ELECTRIC ("SEC")

SEC was seed-funded by ESG as a Corporate venture in 2017.

EUROSPORTS
G L O B A L

Scorpio Electric Pte. Ltd.

SEC is engaged in EV 2-wheeler R&D and manufacturing. It is also the brand owner of Scorpio Electric, a premium electric motorcycle brand.

The Company has successfully unveiled the first Singapore made electric motorcycle in 2021, the Scorpio Electric X1.

Other subsidiaries

ESG is listed on the SGX Catalist. It is the exclusive distributor and service provider of luxury automobiles like Lamborghini and other luxury lifestyle products.

A MARQUE
ABOVE
THE REST

Electric vehicle manufacturer and exclusive distributor of high-end marques and other luxury lifestyle products

EVI Electric Pte. Ltd.

Incubating and developing mass market electric motorcycles, battery swapping technologies, charging stations and a fleet management system.



LEADERSHIP TEAM

The Company is led by a management team with 75 years of combined experience in branding, sales, engineering and technology



MELVIN GOH
Founder Advisor

Founder of Scorpio Electric

Melvin has more than 30 years experience in the Automotive Industry and a co-founder of the publicly listed company Eurosports Global Limited.



JOSHUA GOH
Chief Executive Officer

Team Leader

Joshua has extensive experience in automotive, capital markets, corporate finance and restructuring. Joshua fills the gaps in this organization across multiple disciplines, such as corporate finance, legal, strategy etc.



JULIAN LEGAZPI
Chief Commercial Officer

Commercial and Motorcycle Lead

Julian was Managing Director for KTM Asia and started KTM Asia Motorcycle Manufacturing Inc. as a Director, which served as the manufacturing hub for Asia.



DR. MUHAMMAD TAUREZA
Acting Head of Operations

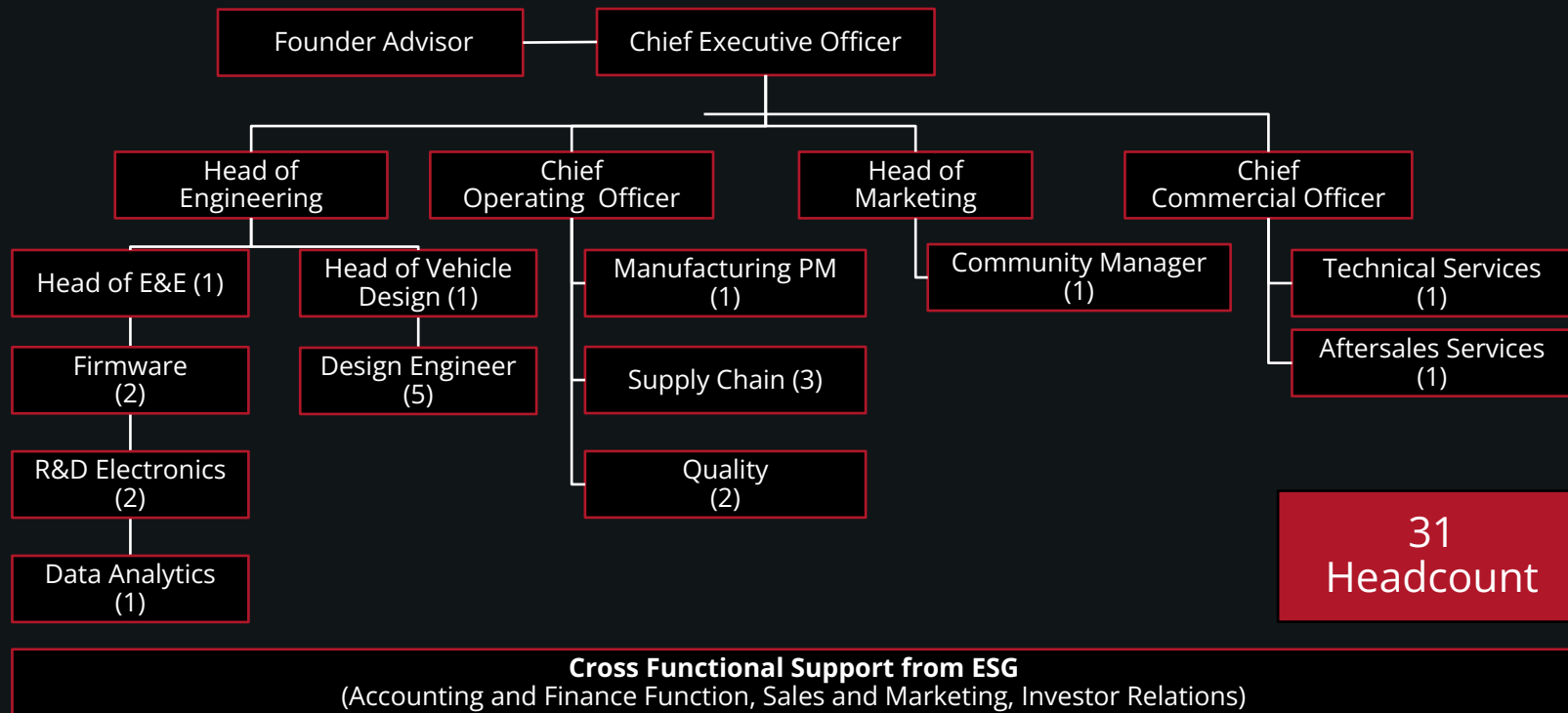
Engineering and Production Lead

Dr. Taureza is a specialist in Design for Manufacturing, Metal and Polymer Material Selection and Processing, Stamping and Forging Tooling, and Finite Element Simulation. Dr. Taureza was seconded from A*STAR before joining us permanently.



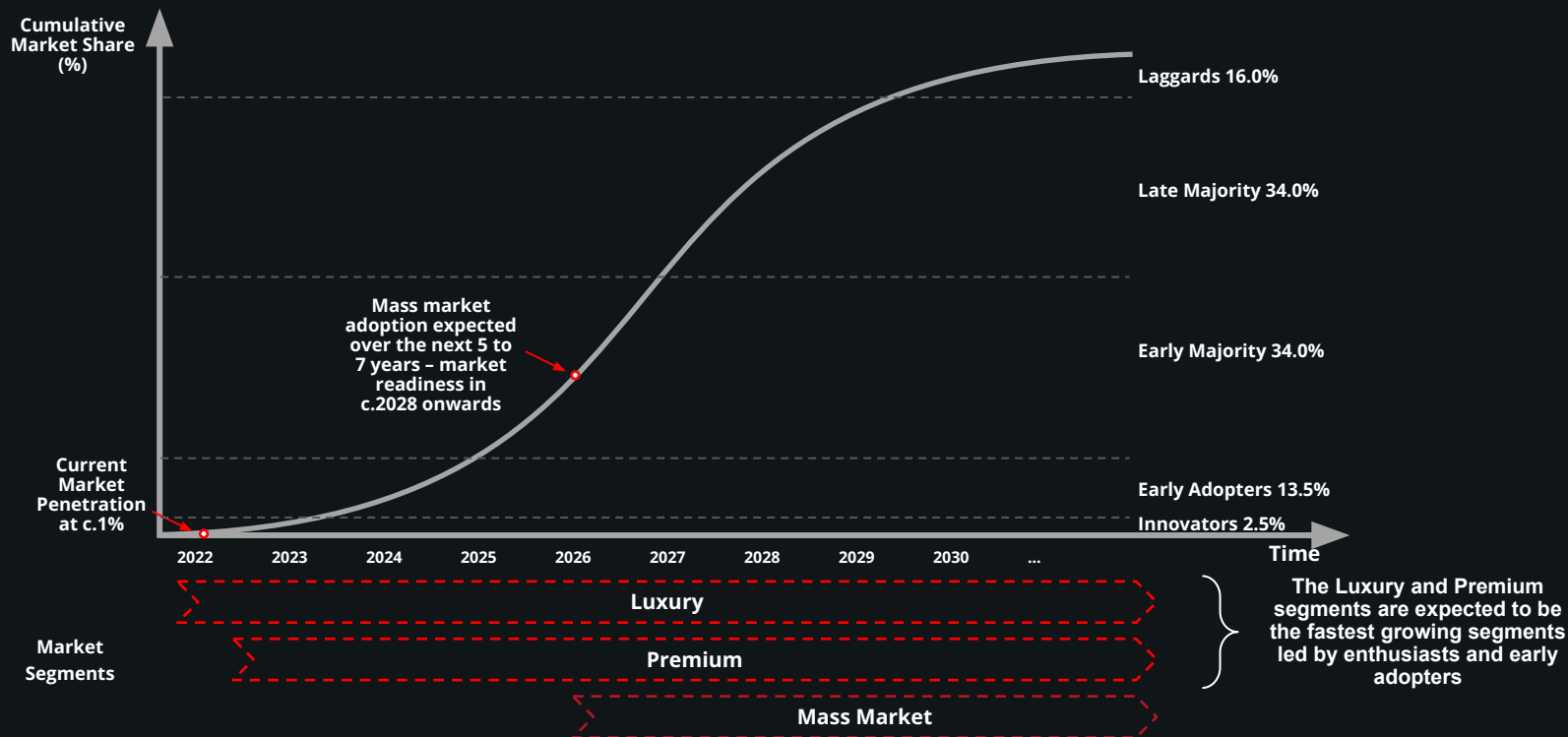
SEC'S CORE CAPABILITIES

SEC has established full suite of in-house design, engineering, development and manufacturing capabilities, augmented with parent ESG's strong go-to-market regional network with strong branding and distribution capabilities



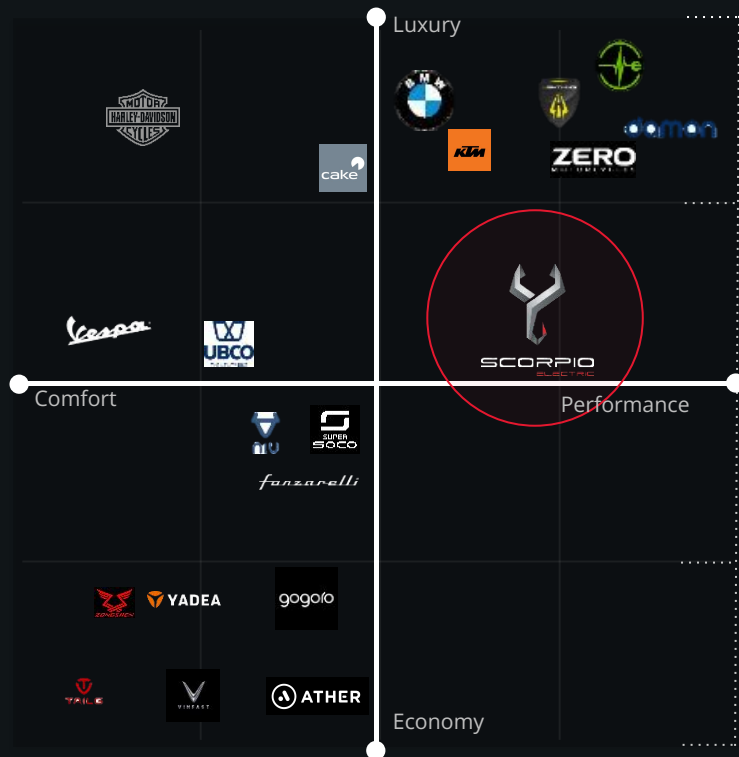
OVERVIEW OF THE EV 2-WHEELER MARKET

EV 2-Wheeler in early stages of adoption with Luxury and Premium Segments expected to be fastest growing segments led by enthusiasts and early adopters



OVERVIEW OF THE EV 2-WHEELER MARKET

SEC seeks to capture the early adopters / enthusiasts in the premium segment in the immediate term, before sweeping back to tackle the mass market segment after 2028



Price/Volume

USD

Luxury

> USD10k per unit
8-10k Units sold in 2019
CAGR: 35%

Projected global EV unit sales*

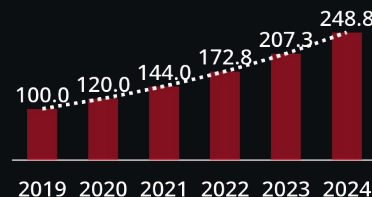
In thousand's



Est. sales in 2024:
USD300M to USD500M

Premium

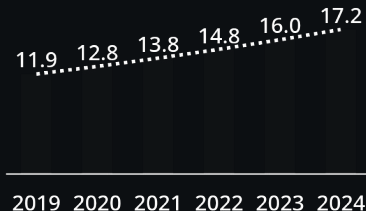
USD5 -10k per unit
100k Units sold in 2019
CAGR: 20%



Est. sales in 2024:
USD1.2B to USD1.9B

Mass Market

USD1-5k per unit
11.9M Units sold in 2019
CAGR: 7%



Est. sales in 2024:
USD17B to USD30B

BRAND ETHOS

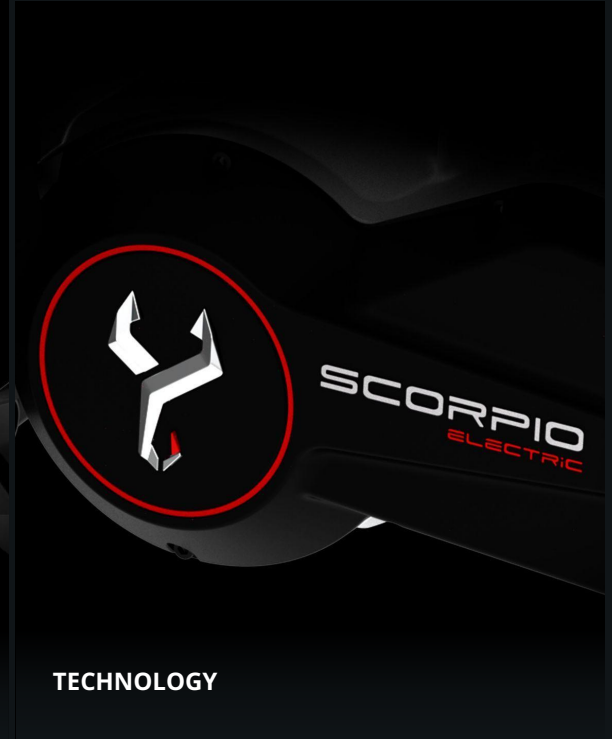
Three key pillars that guide our culture and our future



DESIGN



PERFORMANCE



TECHNOLOGY



X1

FUTURE UNSEEN

Unique and not seen, the X1 is the most powerful star in the Scorpio constellation. Category defining, the X1 paves the way for smart riding and pioneers the unseen future.

MAX SPEED
105 km/h

MAX POWER
10 kW

MAX RANGE¹
200 km

BATTERY
5 kWh Li-ion

FIRST SINGAPORE ELECTRIC MOTORCYCLE - THE X1

Like the most powerful star in the Scorpio constellation, the X1 will be a leader in its category

Ride-by-wire technology

Use of sensors to replace mechanical linkages, allowing optimal engine performance and incorporating various riding modes

Vehicle Control Unit

Manage and monitor key components including the battery, headlights, charger and motor

Mechanical Frame and Engineering

Single-sided swingarm
Upside down front fork suspension
Premium brakes with ABS



Power and Motor

Specs: 10kW (13.4hp)
Permanent Magnet Synchronous Motor
Integrated high torque drivetrain

Battery Pack

Specs: 5kWh
Charge time 0-90% in 3 hrs
Integrated with battery management system to optimise performance

Smart / Big Data Technologies

Companion Mobile Application
Geo-fencing
Smart AI Navigation

MAX SPEED
105 km/h

MAX POWER
10 kW

MAX RANGE¹
200 km

BATTERY
5 kWh Li-ion

SEC'S CORE CAPABILITIES – ENGINEERING AND DESIGN

Engineering and design team focuses on developing scalable technologies

Key benefits

1. Modular features for future vehicle configurations;
2. Lower development cost;
3. Incremental improvements of parts development;
4. Faster speed to market for new product.

Vehicular Control Unit

Proprietary system developed by SEC integrating and monitoring key components of the vehicle



Engineering Features

Premium Design Features

Dashboard

7-inch full color LED display that interfaces riders and the controls of the entire vehicle powered by SEC developed companion app



Battery

Designed and engineered to fit form factor, integrated with BMS co-developed by SEC



Upside Down Suspension

Powertrain

Proprietary powertrain integrated with motor with drive system with parts from co-developed with key manufacturers



Single Sided Swingarm

Premium Grade Wheels

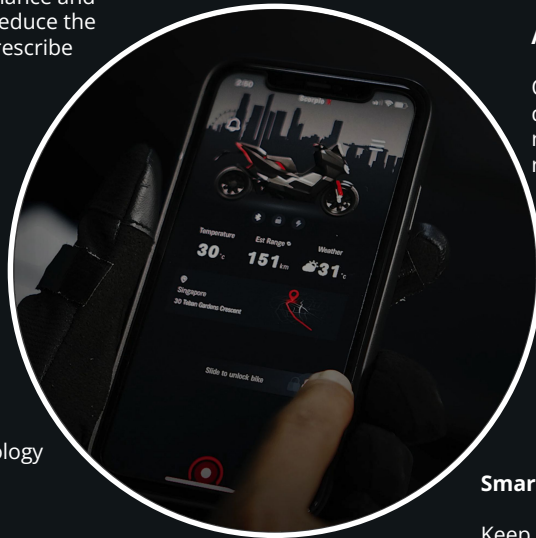


SEC'S CORE CAPABILITIES – SMART / BIG DATA TECHNOLOGIES

Big data technology to help engineers monitor the vehicles performance, as well as develop applications and smart navigation systems to improve riding experience.

Predictive Maintenance Capability

Leveraging on machine learning modules to seamlessly monitor performance and condition of equipment to reduce the likelihood of failures, and prescribe maintenance schedule



AI Optimisation

Optimise energy consumption by determining best energy regeneration based on the selected route

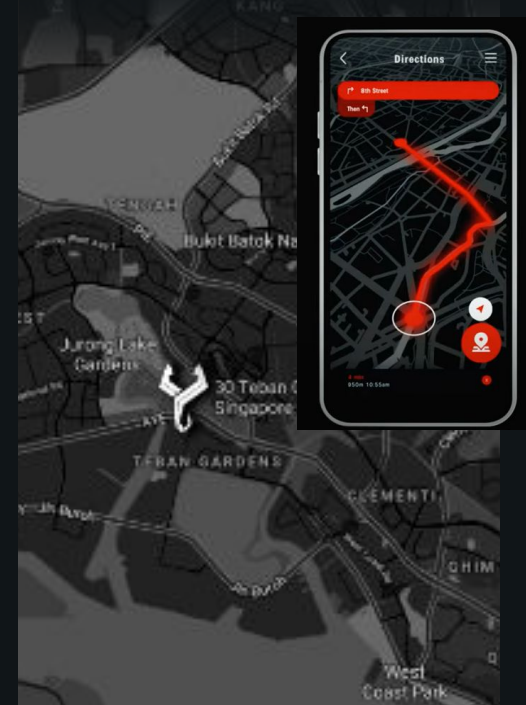
Active Safety

Advanced warning systems developed using sensor technology and AI

Smart Navigation







Keep riders constantly aware of their surroundings. Such as entering an area with known incidents. (e.g. flood prone, high accident frequency area etc.)

In-house Data Management Platform



BEST IN CLASS PERFORMANCE

The X1 will offer best in segment technical specifications

Electric Motorcycle Scooter form factor	Scorpio Electric X1	BMW CE 04	Kumpan 54i:gnite	Vespa Elettrica	Super Soco TC Max	NIU Nqi GT
						
Retail Price (USD)	\$9,800	\$11,800	\$8,995	\$7,499	\$5,255	\$5,000
Peak Power	10 kW	11 kW	7 kW	4 kW	3 kW	3.5 kW
Top Speed	105 km/h	120 km/h	100 km/h	50 km/h	95 km/h	70 km/h
Range	200 km @ 30 km/h	130 km @ 30 km/h	120 km @ 30 km/h	100 km @ 30 km/h	110 km @ 40 km/h	140 km @ 20 km/h
Standard Charging	On Board Charging 0-100%: 4 hrs.	On Board Charging 0- 100%: 4.3hrs.	3 Removable Batteries (each 40km range) 0- 100%: 4 hrs.	On Board Charging 0-100%: 4 hrs.	2 Removable Batteries 0-100%: 8.5 hrs.	2 Removable Batteries 0-100%: 3.5 hrs.
Smart Capabilities (Connectivity/Diagnostic)	Yes	Yes	Yes	Yes	Yes	Yes
Country of Origin	Singapore	Germany	Germany	Italy	China	China

Established partnerships with research institutions, government and industry professionals for development and testing



TARGET AUDIENCE PROFILING

Our first customers want to be associated with brands. They will be the catalyst and key opinion leader to our brand



JASON

High Net Worth Individual

ASEAN Businessman

High net worth individuals, like Jason, are our low hanging fruits. They want to collect bespoke products and they will be our first customers.



MICHAEL

Vespa Rider

SILICON VALLEY TECH MANAGER

Michael is a working professional in the field of technology. He belongs to the Generation Y demographics. He will be our natural customer who wants a premium electric vehicle to contribute to a sustainable future.



LORENZO

Enthusiast

Italian Entrepreneur

Lorenzo is a motorcycle enthusiast who will already own a high performance motorcycle. For ease of city riding daily, our first electric motorcycle will be his product of choice.

IMMEDIATE SALES TERRITORY PLAN

We plan to set up direct sales or distribution channels within Asia Pacific and European territory

ASEAN

Majority of the region's EV 2-Wheeler sales are concentrated in Vietnam. ASEAN is our home market with the highest growth potential. Singapore will be our hub to establish brand mindshare. In tandem, we will execute distribution partnerships in Malaysia, Thailand, Vietnam, and Indonesia.

NORTH ASIA

We are targeting entry into Taiwan and South Korea. Taiwan is one of the largest EV 2-Wheeler markets in the world. Established brands such as Gogoro, Kymco, and SYM have put a foothold on their charging infrastructure, but we remain bullish due to the country's riding culture and friendly EV policies. South Korean, whilst a small market, offer high EV adoption incentives and a wealthy population make it attractive for our products.

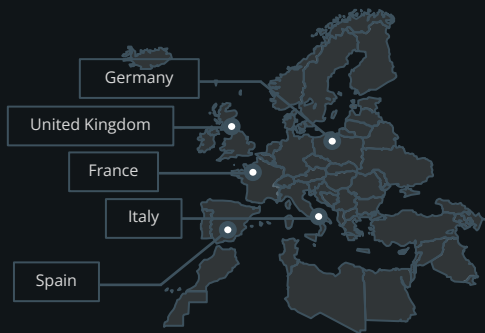


OCEANIA

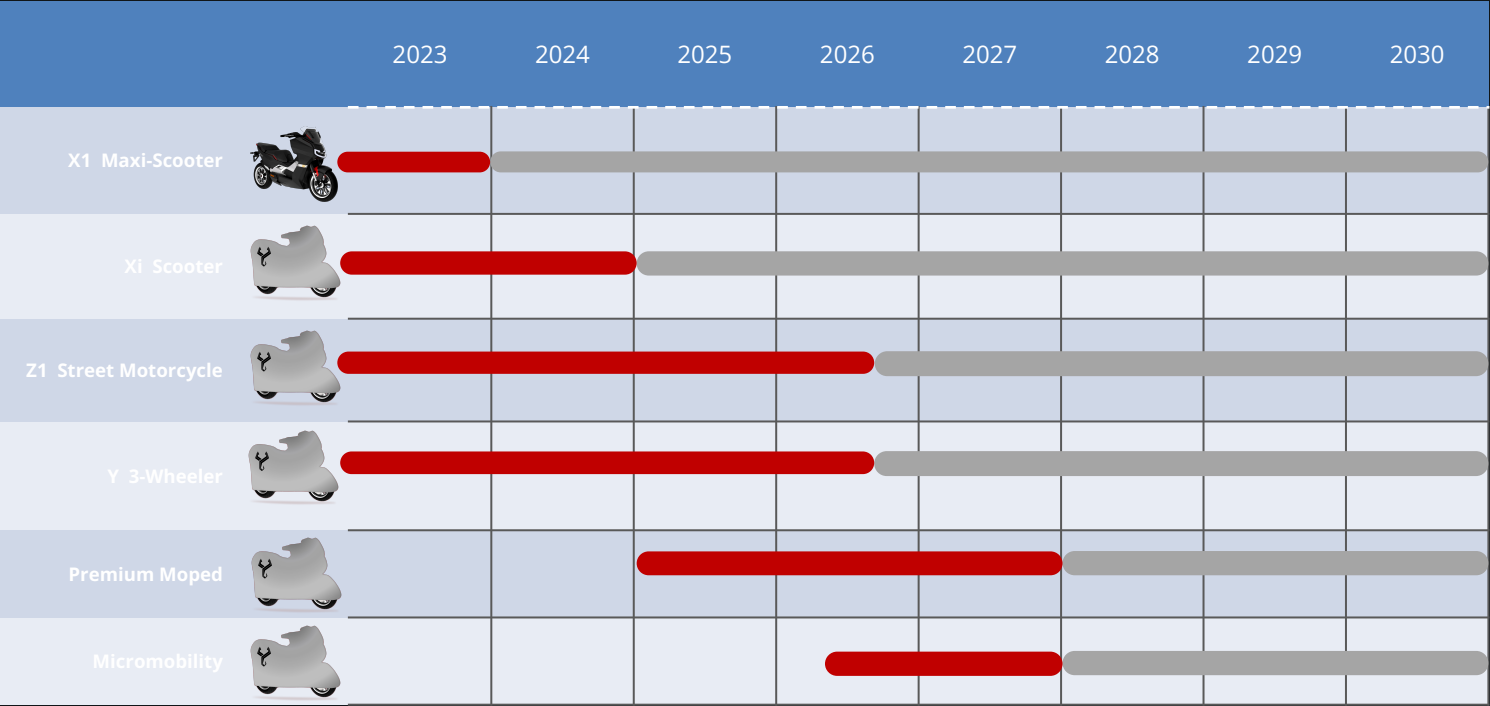
Both the Australian and New Zealand 2-Wheeler markets grew last year despite the CoVID-19 pandemic. A combination of all year riding weather, high income, demographics, and market maturity make this region one of the top destinations for us to enter.

EUROPE

General European territories are still trying to contain the CoVID-19 pandemic spread. Our premium motorcycle will benefit from more developed EV markets. We are currently in favour of countries such as France, Germany, Italy, Spain and United Kingdom.

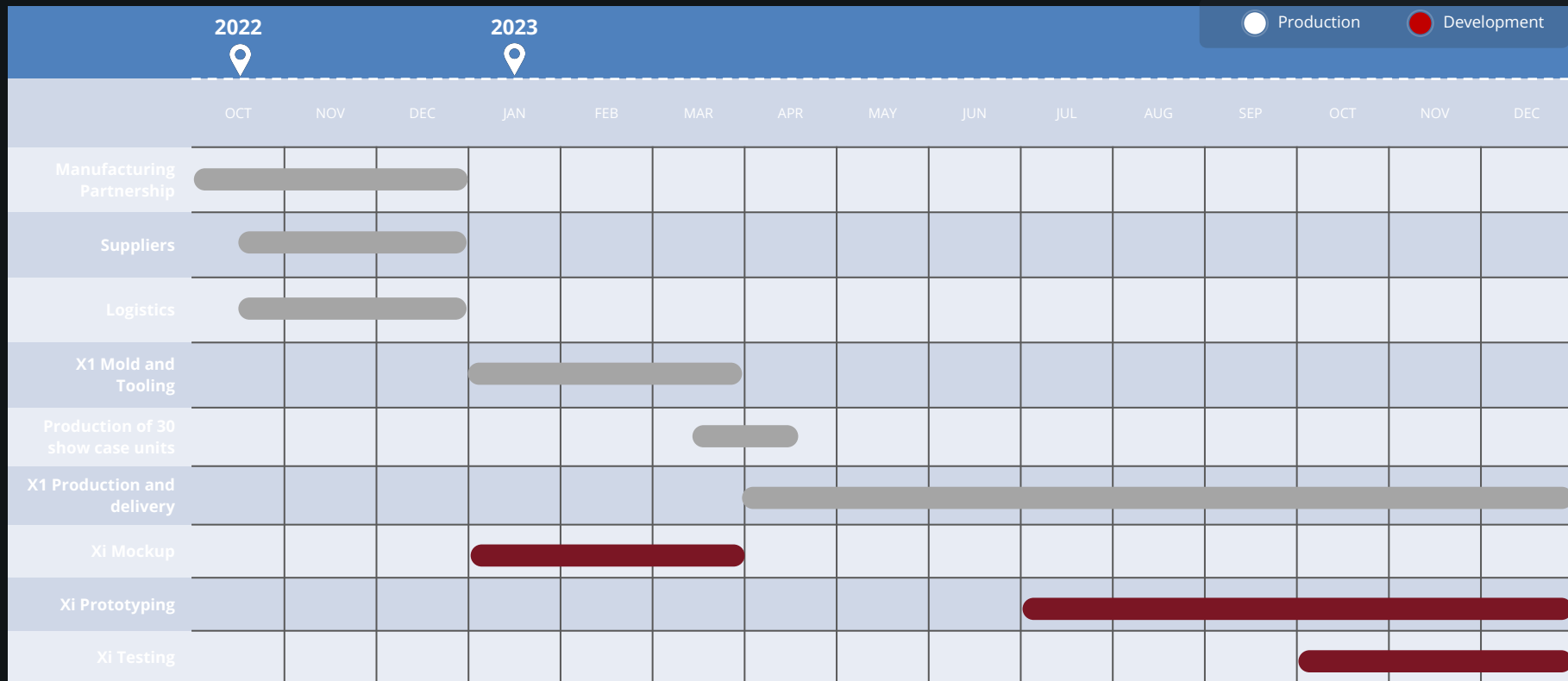


X1 to be followed up with a suite of products across market segments



PRODUCTION AND DISTRIBUTION STRATEGY

EST to complete key manufacturing, suppliers and logistics partnerships and will be able to produce and deliver the X1 by 3Q2023

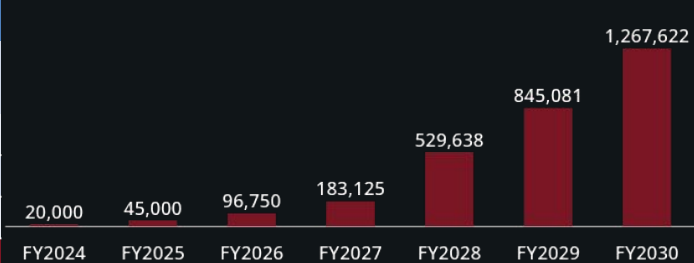


SALES AND VOLUME PROJECTIONS

Projected Scorpio Electric Model Sales and Units Sold

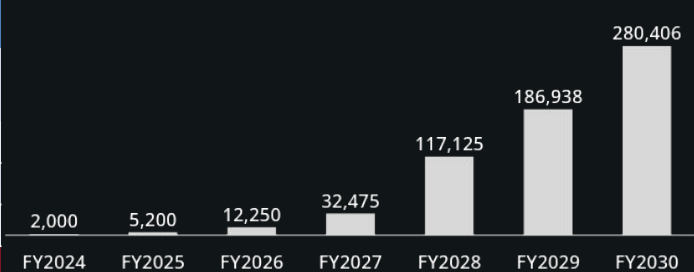
Sales USD'000	Financial Year End March						
Market Segment	2024	2025	2026	2027	2028	2029	2030
Luxury	20,000	36,000	52,500	69,500	110,000	165,000	247,500
Premium	-	9,000	44,250	98,625	193,750	290,625	435,938
Mass Market	-	-	-	15,000	225,888	389,456	584,184
Total Sales	20,000	45,000	96,750	183,125	529,638	845,081	1,267,622

TOTAL SALES (USD'000)



Units	Financial Year End March						
Market Segment	2024	2025	2026	2027	2028	2029	2030
Luxury	2,000	3,200	4,500	5,800	9,000	13,500	20,250
Premium	-	2,000	7,750	16,675	32,250	48,375	72,563
Mass Market	-	-	-	10,000	75,875	125,063	187,594
Total Units	2,000	5,200	12,250	32,475	117,125	186,938	280,406

TOTAL UNITS



OUR SINGAPORE EXPERIENCE CENTRE



TAKE CHARGE

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Our purpose is to perfect design, performance and technology.

We are continuously pushing the boundaries to bring about a new era of electric mobility.

PM LEE'S VISIT AT SFF X SWITCH 2019

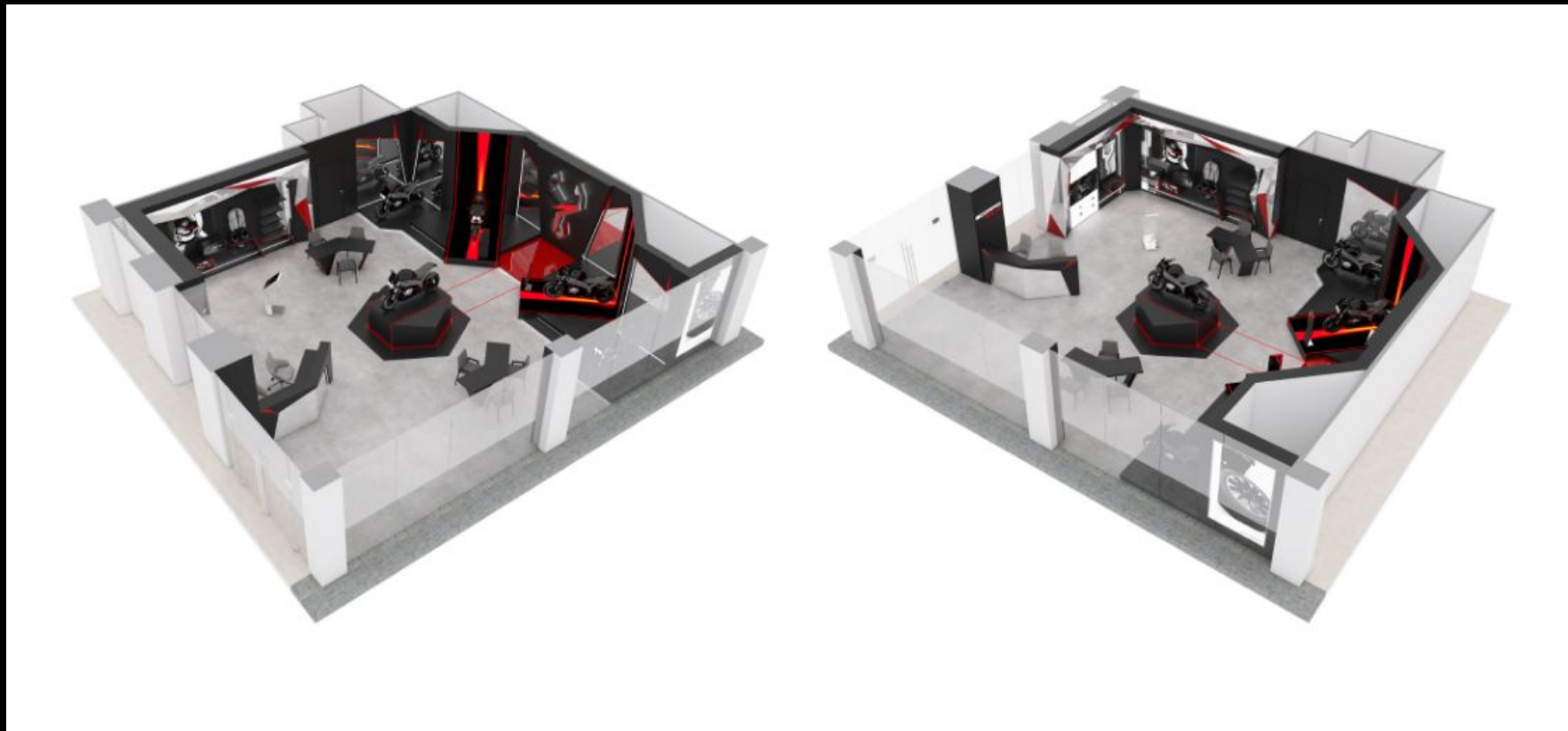
Our attendance at Singapore Fintech Festival x Singapore Week of Innovation and Technology in 2019



SHOWROOM CONCEPT



SHOWROOM CONCEPT



SHOWROOM CONCEPT



SHOWROOM CONCEPT



SHOWROOM CONCEPT



MERCHANDISE CONCEPT

