

ROOKIE Development Board

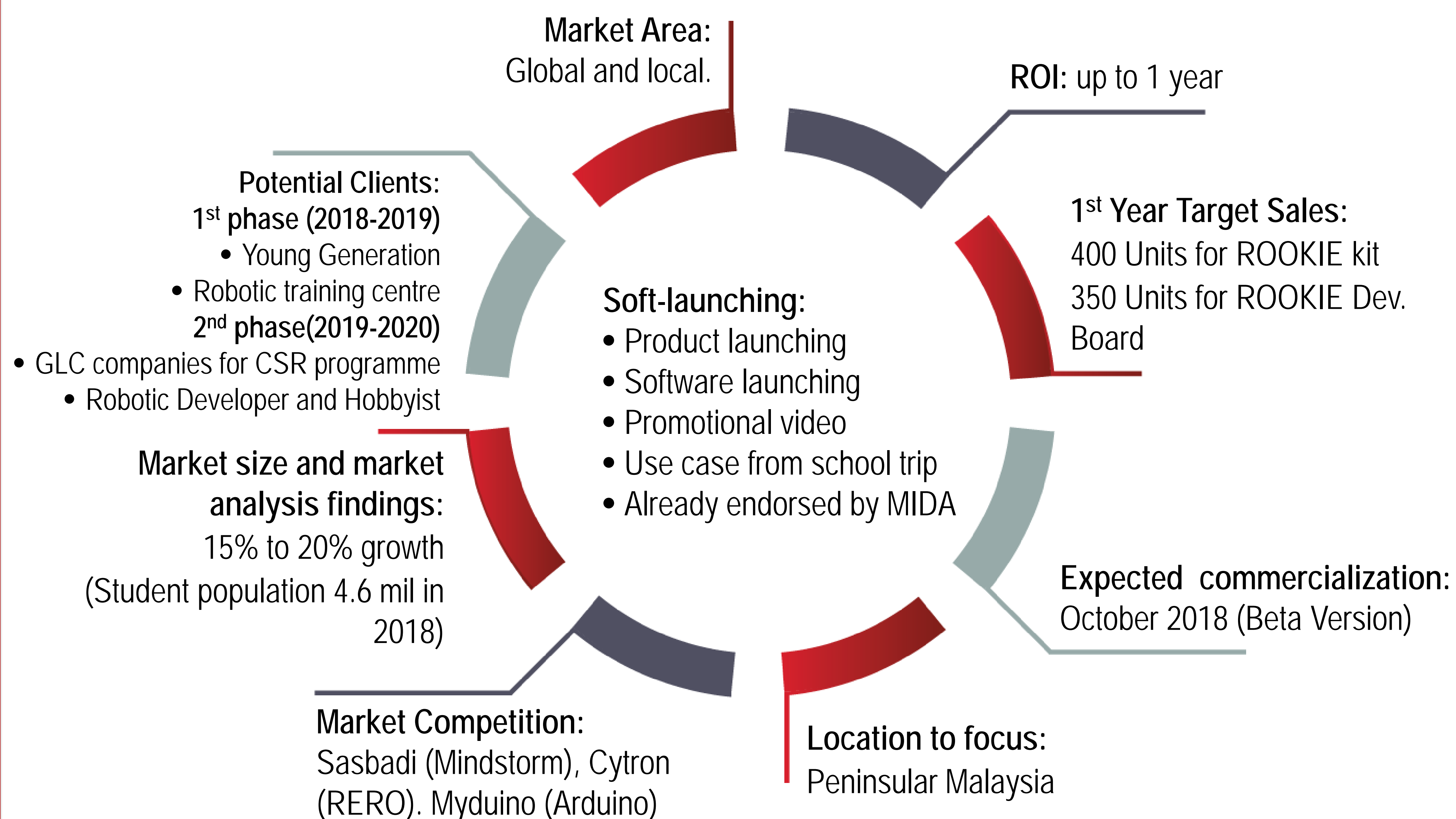
### USEFULNESS & APPLICATIONS

- ✓ Omni wheeled mobile robot platform for STEM education and hobbies.
- ✓ Fully programmable Arduino-based controller board
- ✓ Open source hardware and software
- ✓ Programming style – Arduino (script) and Visual Language Programming (VLP)
- ✓ Independent drive 4 Channel DC Motor
- ✓ Autonomous mobility or control via android and IOS apps.
- ✓ Light weight and easy to assemble mobile robot
- ✓ Affordable mobile robot kit

### TECHNICAL SPECS:

- Size (280mm) x (280mm) W x L
- Weight: 0.5 kg approximately
- Power: LiPO Battery 7.4 V 1500 mAh (rechargeable)
- Motor: Micro DC Geared Motor HP 325 rpm 1.2 kg
- Motor Driver: Toshiba TB6612FNG Dual IC
- Connectivity: Bluetooth HC-05 2.4 GHz
- Processor: ATMEGA328P AU 8-bit
- Port: 1 USB Mini Type
- Display: OLED 0.96" Display
- Sensor: Modular Ultrasonic sensor, Gyro sensor, Proximity sensor
- Software: Arduino IDE
- Controller: Android Robopreneur Joystick
- Remote control or autonomous motion interactive software tailored to ability (beginner, intermediate, advance)

### MARKETING STRATEGY



**Project Leader**  
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Expertise

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