



Product •

CHASI



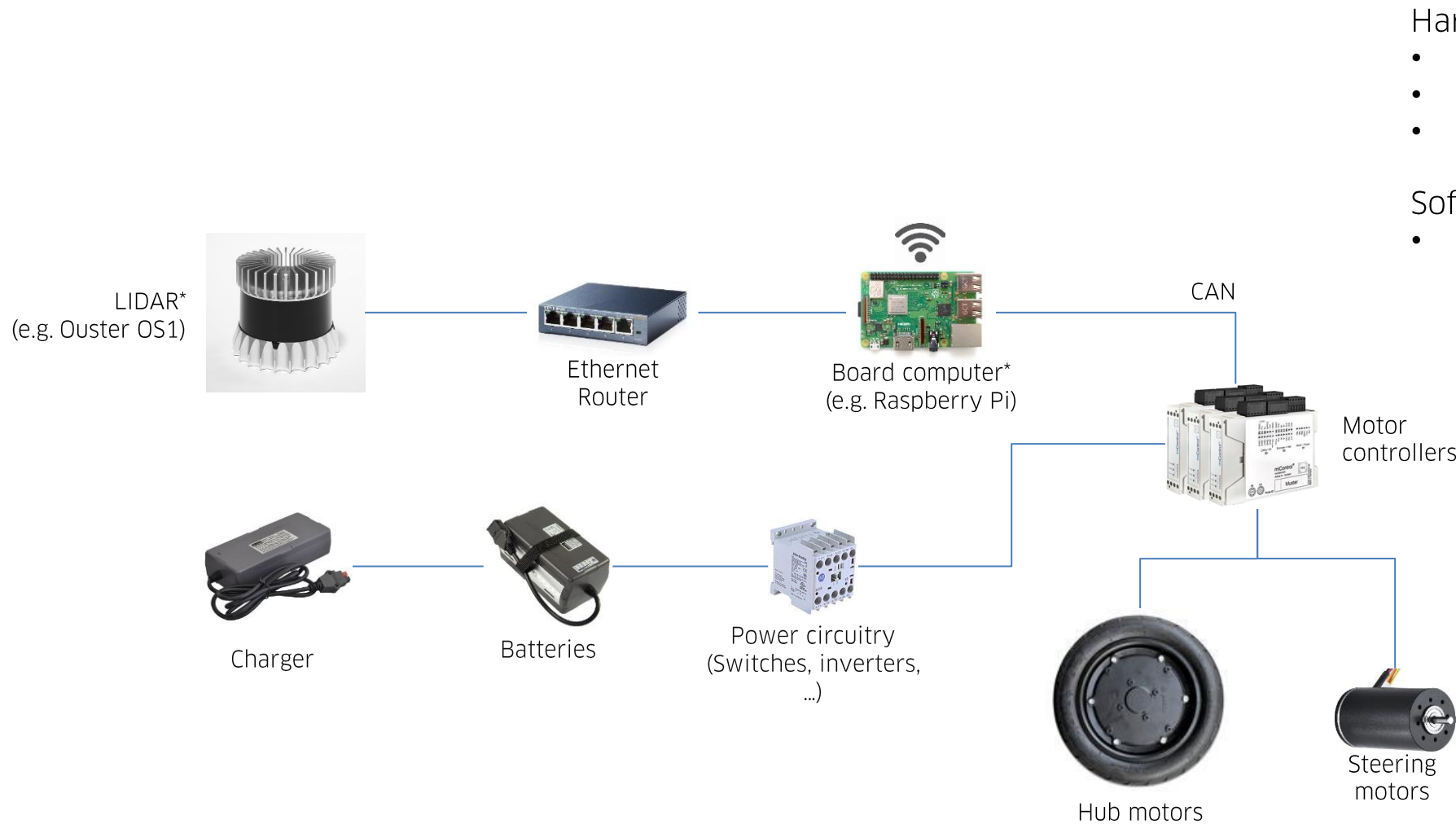
What is CHASI

We used our vast know-how and experience in robotic systems and funneled it into the successful development our self-propelled robotic platform.

- Plug and Play ready R&D platform
- Designed to work with ROS and all the required interfaces
- Easily extendable with sensors and actuators
- Made in mind with different tasks and dynamic use-cases
- Functioning in indoor and outdoor environments
- Small in size - easy maneuverability, even in tight spaces
- Big in power - can carry loads up to 80kg



CHASI - Sample Configuration



Hardware interfaces:

- Ethernet
- Wi-Fi
- Power (230V AC)

Software interfaces:

- ROS (velocity commands and odometry)

*Sample hardware - not included by default

Technical Specifications

Dimensions

Length	800 mm
Width	600 mm
Height	400 mm
Ground clearance	90 mm
Weight (without load)	46 kg
Loading area/mounting surface	650 mm x 410 mm

Communication

WLAN/WIFI	Dualband, wireless, AC/G/N/B
Bluetooth	4.0 LE, Range: 10-20m
In- and output	USB and ethernet

Performance values

Load capacity	80 kg
Speed	9 km/h
Range	30 km
Operating time	8-10 h
Driving time	3-4 h

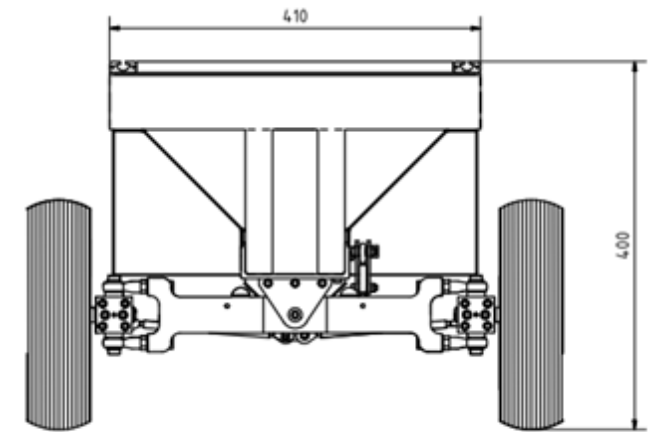
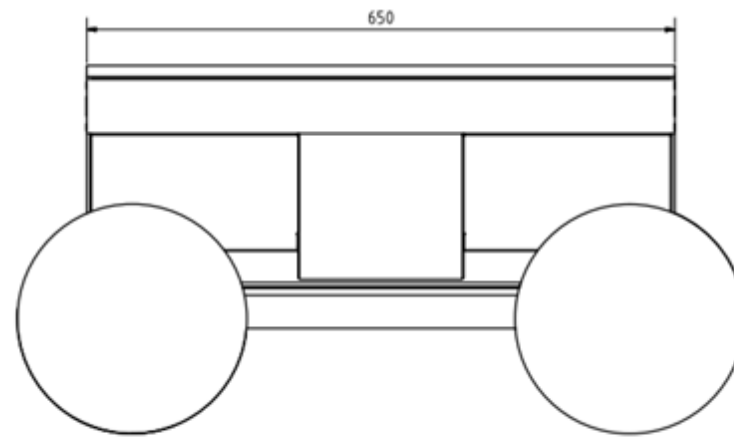
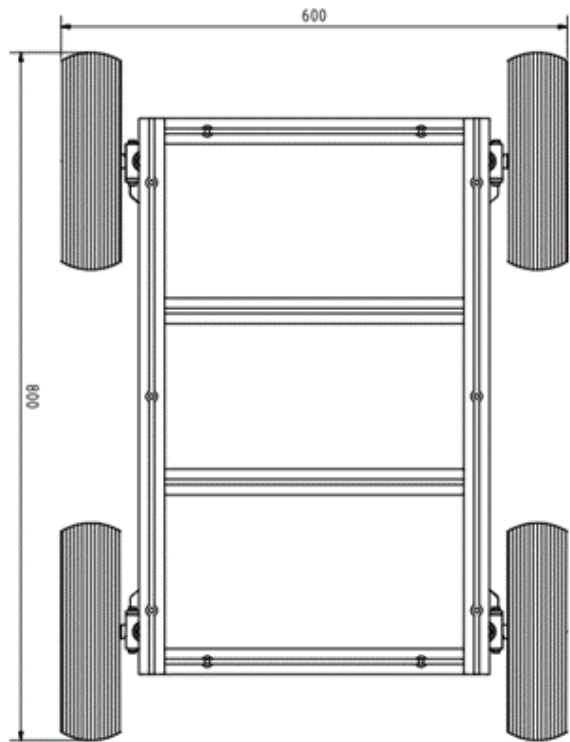
Power supply

Battery	Lithium-Ion; charge time up to 3h
Internal charger	Input: 100-230V AC, 50-60 Hz

Operational environment

Operating temperature range	-5 °C bis +40 °C
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Dimension Blueprint



Various Use Cases

CHASI was designed with versatility and modularity in mind.
Possibilities are nearly endless.



Inspection



Autonomous Delivery



Mobile Manipulation

Extensions

CHASI is even better when equipped with ARTI AI Software Kits. They are the building blocks for a **wide variety** of robot applications.

Raise the quality of your robotic ideas, make them more cost efficient and profit from new autonomous functions by combining **CHASI** with our modular **AI Kits**.

Some of the areas our AI Kits cover:

- Autonomous Navigation
- Data Capturing
- Follow-Me





AUTONOMY FOR ROBOTS

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