

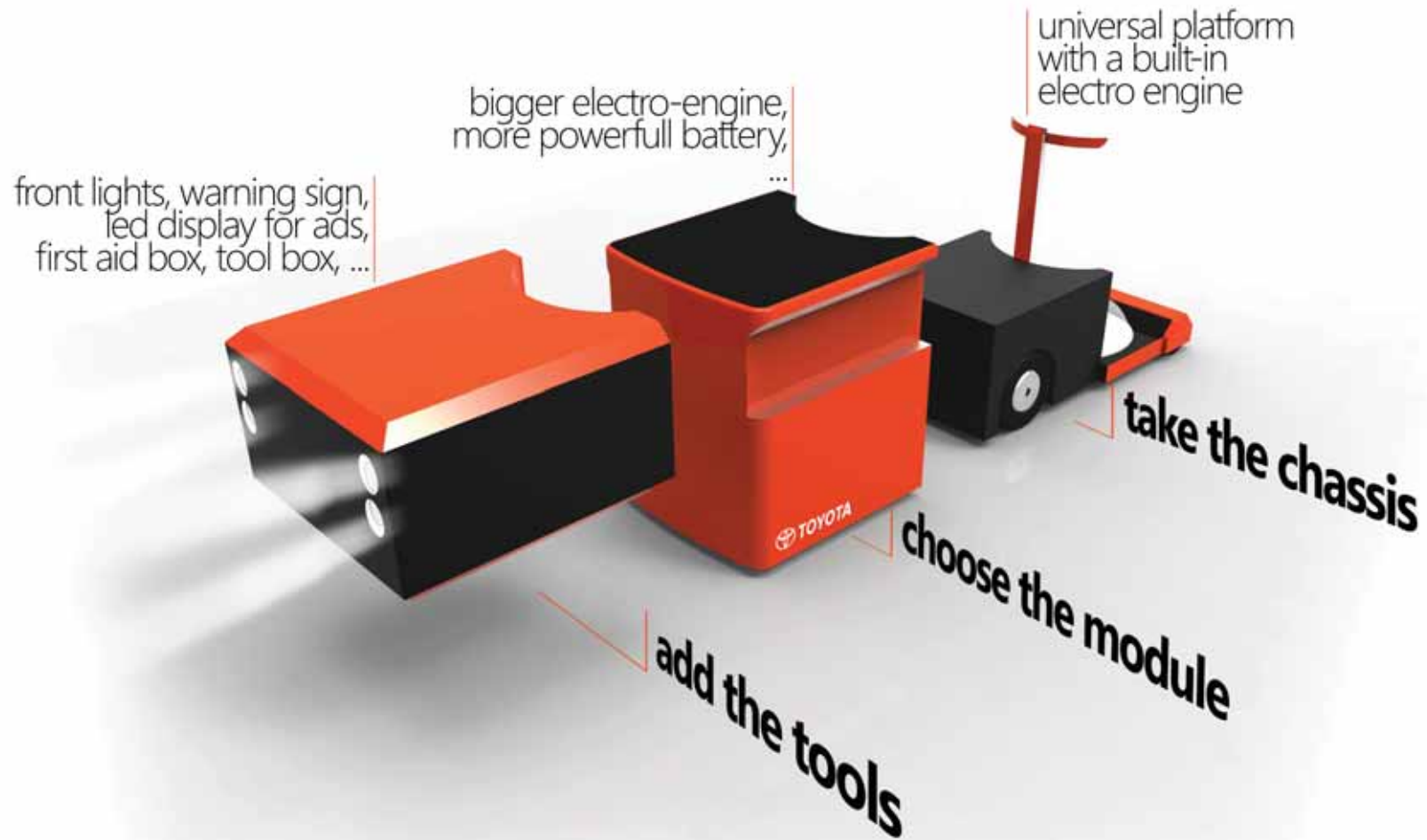


TOYOTA

MATERIAL
HANDLING
EUROPA



 **TOYOTA**
ULTRACTOW



active magnetic field

to keep all the necessary tools well organised and near you

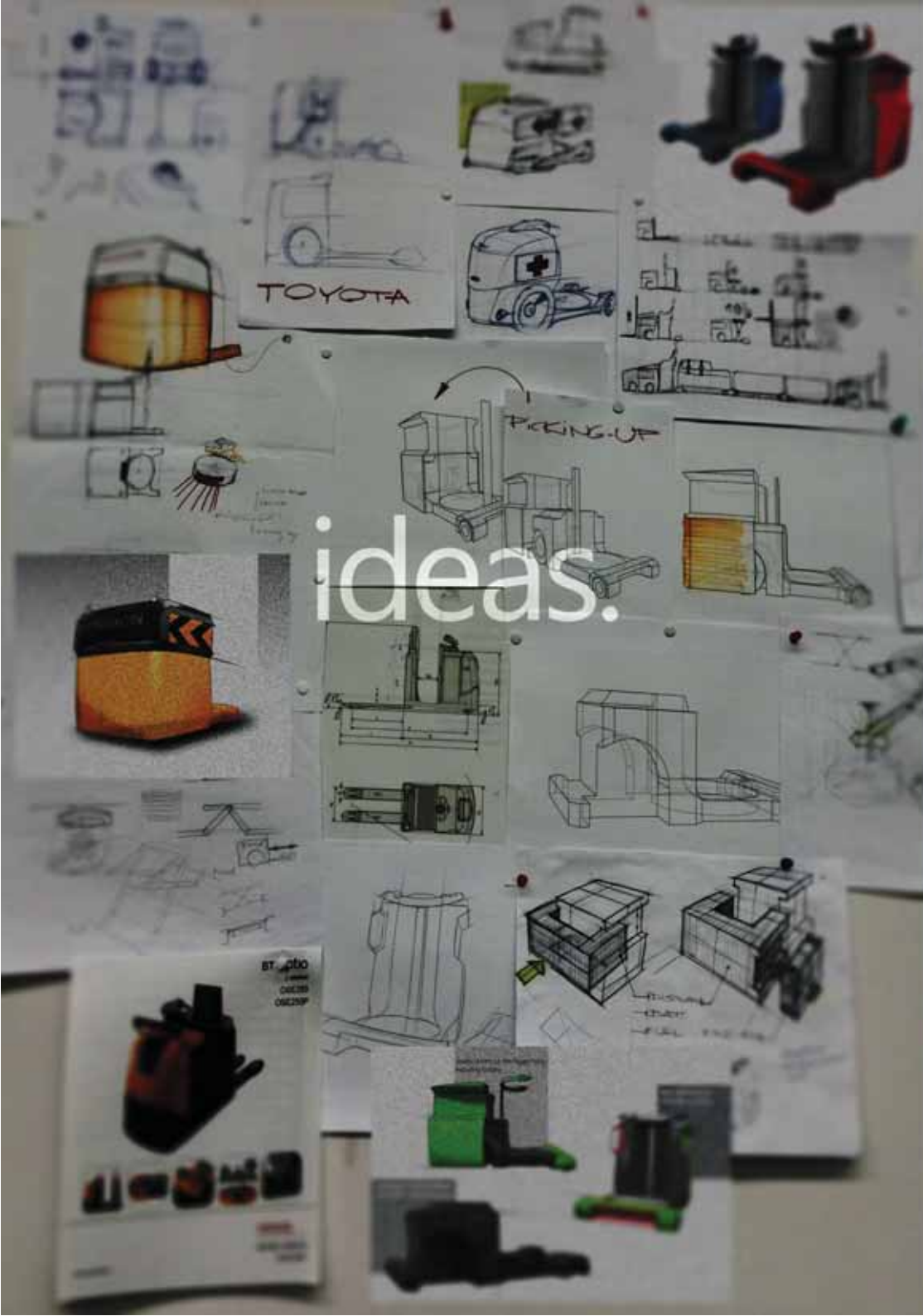
laser side guide

to be more accurate & safe while driving by informing the others about your path and showing you the exact width



smart modular maneuver

each company is able to customize the tractor tow for each driver based on an all around app using the TOYOTA Smart Access and adding different varieties of customized touch screen controllers for ultimate maneuver



TOW TRACTORS: INDUSTRIAL MACHINES IN NEED OF A MAKEOVER

The Goal of the Concept is to design an ultimate platform to use in different situation, using different moduls on the chassis to create the productivity and involve the new technology according to customer's needs.

ULTRACTOW is designed with a low step-in height to ease the access to it's rotative platform and create the ultimate control on the new generation of the TOYOTA's Tow Tractors.

The operator doesn't need to turn his head back to be able to see the way, otherwise he can rotate the whole standing platform and the controller at the same time to increase the field of view and be even more precise.

The Stand Platform is even more awesome with it's modular controller.

Just add your necessary controller, adjust the height and pick up the right module for your tow tractor.

Even add some more extra luggage at the side sliding blocks and have the most necessary things like first aid kit or have the whole module as an advertisement or caution

board or even pick a bigger battery for more power or even use it as a practical forklift, just by adding some weight at the tail.

The side laser guide to drive safe and precise by knowing the width and the active magnetic field are some more awesome features.

With the active-magnetic top, the ULTRACTOW help keeping the tools on it's top. Open the slider tool boxes on the side and start the operation. ULTRACTOW is suitable for indoor and outdoor applications, including production lines, cross-dock logistics, airports, railway stations and ports. Rider-seated or stand-in operation modes could be chosen according to the working boundaries. Light-weight and versatile is combined with improved manoeuvrability and comfort during material handling operations at it's best form in the ULTRACTOW.

the control system is based on an extremely flexible steering arm with touch-sensitive activation of the drive function and effortless electronic steering. The steering arm is designed to follow the operator's position. It can be moved left and right to allow pedestrian control, walking alongside.

Productivity

Every time the truck decelerates or the brakes are applied energy is passed directly back to the battery, allowing long working shifts on a single charge. The battery could be replaced easily at the charging dock or getting the bigger battery for mor power.

Driveability

The rotary stand-in platform gives the most ultimate driving ability and efficiency to the driver.

Safety

Automatically adapting speed when cornering to allow fast yet safe driving in all conditions on the ULTRACTOW,

Durability

Wireless connectivity using the smart phones let the operator diagnose any problem as soon as possible and manage the repair completely using ULTRACTOW smart station.

ULTRACTOW is an ultimate tow tractor which could be customized and used in different ways, according on the customer's budget and wishes. ULTRACTOW is based on an ultimate chassis which let any company to reach it's own customized tow tractor, from tiny business to huge enterprises.

From indoor use in storehouses to outside use

under the airplanes wings in the airports.

It's all about improvement and I reworked my concepts to fit even more into the reality.

ULTRACTOW is simply the ultimate tow tractor, designed with passion and looking into the future of transportation.

Mohammad Moradi