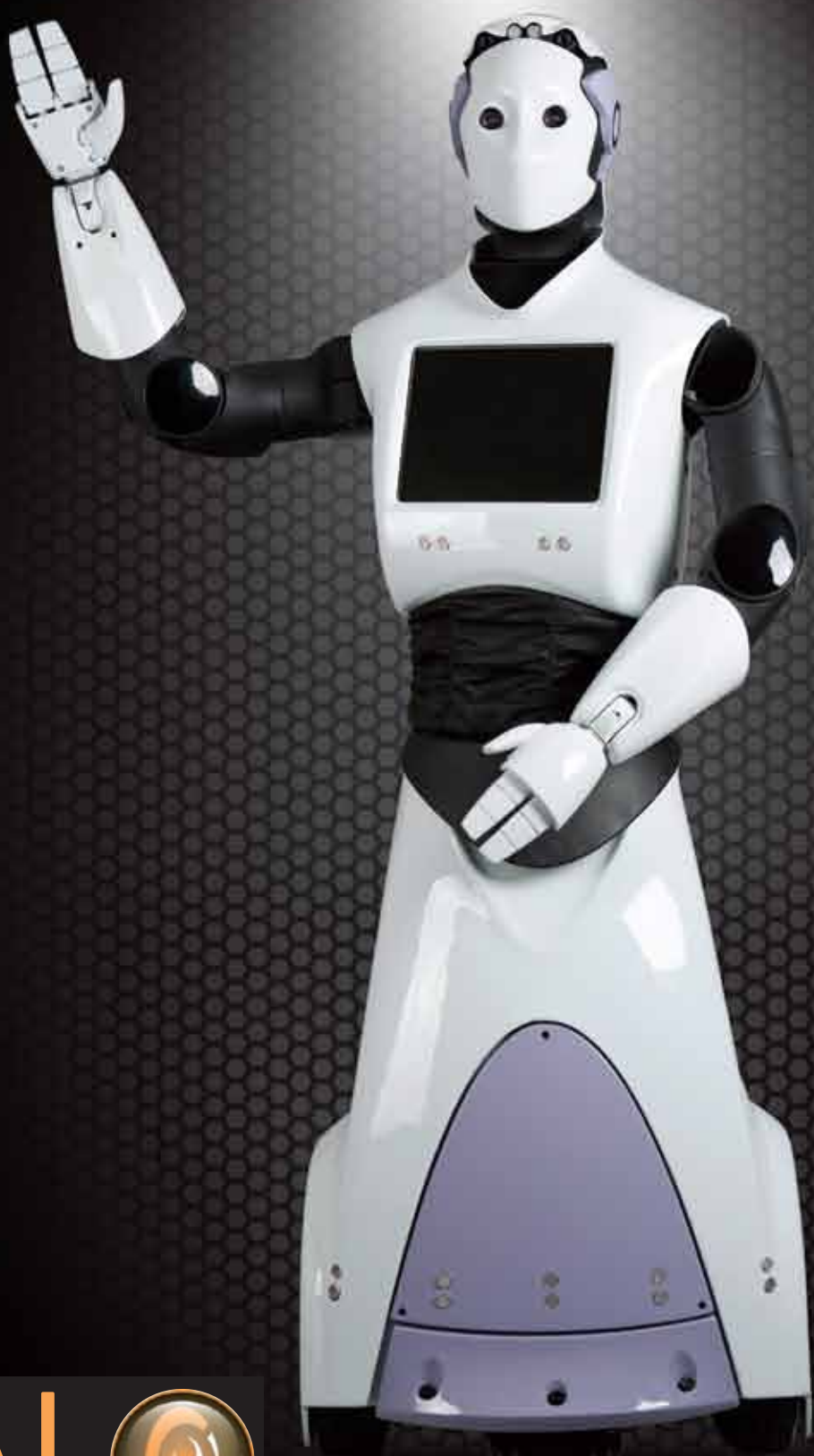
REEM

How may I help you?



PAL ROBOTICS

COMMERCIAL APPLICATIONS

REEM, the extraordinary humanoid service robot created by PAL Robotics, can be used for several purposes. Thanks to its autonomous navigation system, its user-friendly touchscreen, and its voice and face recognition system, REEM can find its way in various surroundings and help or entertain people in most public environments.

Besides helping you as a guide or amusing you as an entertainer, REEM can also transport small packages, and its dynamic information point can be used with a wide variety of multimedia applications: display an interactive map of the surrounding area, call up a variety of information (weather, nearby restaurants, airlines travel time, etc...), offer tele-assistance via video-conferencing. REEM can be used in a wide spectrum of public spaces, for example hotels, museums, trade shows, special events, shopping malls, airports, hospitals, care centers and many others.

PAL ROBOTICS

PAL Robotics is a Spanish company, based in Barcelona, dedicated to the Research & Development of humanoid robots. It forms part of the PAL Group from Abu Dhabi in the United Arab Emirates. After many years of study and various prototypes, the company is now commencing the launch and production of commercial products. The team consists of around 24 people of different nationalities, mostly engineers in the fields of mechanics, electronics and software.

The origin of the company goes back to 2004, when four engineers started to develop their first humanoid robot, REEM-A (picture left), able to walk and play chess. The next prototype, REEM-B (middle picture) was, and still is, recognized worldwide as one of the most advanced humanoid robots. REEM-H (right picture) is the result of further investments and research, however this version is more focused towards commercial purposes.

PAL Robotics continues its R&D efforts on humanoid robots, for both commercial and non-commercial models, and thus keeps its original objective to supply robotic products and services that will improve the daily work and quality of life for both its customers and users.

REEM-A

REEM-B

REEM-H

COMMERCIAL REQUESTS

PAL Robotics currently builds robot parts, personalized robot platforms and robots for different service industries. Aside from that the robots can also be rented for special events such as trade shows, conferences, festivities, or at museums, shopping malls, attraction parks etc. PAL Robotics is open to any type of partnerships with other industries, in order to build together a robotic product suitable for the market.

Do not hesitate to contact us for more information.

PAL ROBOTICS

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TOUCHSCREEN APPLICATIONS

REEM contains an advanced 12 inch multimedia touchscreen with a variety of applications. Simply touch the screen and you will be presented with an option to choose your language. From there on you can scroll through a variety of applications, which can be completely adapted to both the REEM customer and the final user. In screensaver-mode it may be used as a dynamic way of local or national advertising, which could be exploited using a pay-per-click model. The touchscreen contents of REEM can be easily altered, from one event to another, meaning you can easily switch the information from, let´s say, an Automobile Exhibition to a Construction Tradeshow. The software can also be updated on a regular basis, enabling REEM to interact with the latest version of each application. Furthermore, all of this can be done over your secure Internet connection. Just sit back in your chair while all the information is downloaded and the software gets up to date.

REEM DETAILS

REEM is a 1,65 m high humanoid robot with 22 degrees of freedom. The upper part of the robot comprises of a torso with a touchscreen, two motorized arms, which give it a high degree of expression, and a head, which is also motorized.

The robot has a mobile base with wheels, allowing it to move at 5 km/hour. It contains a small platform, which can be used to transport objects (e.g. a trolley). Finally the mobile base contains a lithium battery that lasts up to eight hours, allowing the robot to move around freely without the need of cables or human assistance. A complete range of sensors (cameras, ultrasonic, lasers,…) ensures the robot to find its way safely, avoiding obstacles and people.