DIYA ONE X

Partnering Robotics is a company who provides innovative solutions in service robotics.

Diya One X is a non-humanoid robot with an artificial intelligence based on a neuro-inspired model. Thanks to this unique AI he is able to autonomously navigate in large and highly dynamic environment (5 000 to 11 000 sqf) without lasers or a prerecorded map, a first worldwide.
Diya One X is interactive and communicate with is environment. It has a touchscreen and communicate through a game of lights and sounds.

The robot works with a Diya Dock a unique charging station equipped with is own set of sensors and cloud connected to allows over-the-air real time data transmission and software updates.

The Diya Board is a screen designed to allow a quick yet comprehensive understanding of the indoor environmental quality with graphically displays the dynamic set of data collected by the robot. It can also display many other relevant info such as internal memo, awareness messages, ads or promotional contents.

Diya One X is a highly technological product with several patents deposed. Our R&D team is constantly working on its evolution by offering innovative new services for an ever smarter robot.

Diya One X: the antipollution robot
Diya One X is the first mobile robot dedicated to the indoor air quality and creation of big data in this domain.

Thanks to his embed sensors, it measures and collect information in real time (temperature, humidity, fine particles, ozone, etc.) to detect a bad indoor air quality and to purify it.
Diya One X is equipped with H13+ filter, co-developed with the air filtration leader Camfil, who purifies 99,95% of the air pollution: particulate or biological such as fine particles, pollen, viruses or bacteria; molecular as volatile. This system is validated by CSTB (Scientific and Technical Center for Building), a French independent organization.
Also, Diya One X works with the building ventilation system (HVAC) to realize energy efficiency.

Because air quality is invisible, we created with the CSTB an index of the indoor air quality who can be graphically visualized on Diya One X or the Diya Board.

Video presentation (in English): https://www.youtube.com/watch?v=EmK3xjszpbY&t=1s

Data Maps
Partnering Robotics' robots create granular Data Maps of indoor atmospheres. These dynamic and in-depth visual representations are an incredible tool to understand the indoor environments we are evolving in.