

TECHNOLOGY

The Outlook for the Professional Service Robot Market

PROFESSIONAL SERVICE ROBOTS (PSRs)

REVENUE AND SHIPMENTS



\$2.6 billion



2020





FORM FACTORS

APPLICATIONS

미미

Agriculture

and forestry

Hospitality, retail,

hotel and restaurant

Energy and mining

Space and aeronautical





WATER BASED

Construction.

maintenance

Government,

and demolition

humanitarian, civic defense and rescue

Medical and care

Transportation and

WEARABLES AND **EXOSKELETONS**

logistics systems

Land-based PSRs currently dominate the market, comprising 88% of unit shipments in 2015. Few water-based and wearable robots are shipping today. Land-based robots are forecast to dominate the market through 2020, although the scope of use for water-based and wearable robots will expand more quickly. In general, mobility increases the utilization of robots in every form factor.

REGIONAL REVENUE SHARE



The **AMERICAS** had a slightly bigger share of PSR revenue in 2015 than Europe or Asia, but by 2020 is expected to fall behind Asia.

The potential market in ASIA is very large, and China is projected to become a PSR powerhouse thanks to the various application scenarios and huge markets.



CHALLENGES TO ADOPTION

The global market for service robots is still in the early adoption stage. It is very diversified and fragmented, with a great number of entrepreneurs, small- and medium-sized companies focusing on specific product types or industry applications. Markets around the world are developing in different ways at varying paces, and adoption is affected by a number of factors including:









