ROBOTICS FOR AUTOMATED PICKING SYSTEMS IN LOGISTICS

An interdisciplinary branch of engineering and science that includes mechanical engineering, electronic engineering, information engineering, computer science, and others

OPPORTUNITY DEFINITION | ROBOTICS | AUTOMATED PICKING SYSTEMS

This project aims to develop automated picking solution to enhance warehouse operations by reducing manual labor, increasing efficiency and minimizing errors and reworks. The deployment of such a solution will also consider integration among other technologies systems in the warehousing facilities.

TARGET MARKET

Target Market

Gulf Warehousing Company (GWC) operates approximately 830,000 sqm of warehouses and distribution centers.

Target Users

- Warehouse operators

ADJACENT OPPORTUNITIES

- Connected Warehouse
- Supply Chain Control Center

STAKEHOLDERS

- Gulf Warehousing Company (GWC)

KEY PROBLEM STATEMENT | NEED

The awareness of industries to increase the efficiency of the warehouse and reduce the capital spent on labor is resulting in the increased adoption of warehouse automation. Automated picking systems provides various benefits to warehouse managers, such as the reduction in labor and energy costs, while also making better use of space and minimizing product damage.

OWNER AND SECTOR

Owner Gulf Warehousing Company (GWC)

Sector Logistics

PROCUREMENT CYCLE

Identification Stage

The opportunities will be tendered during 2021.

TIMESPAN

Total duration of 4 – 12 months in phases including implementation and testing.

BUDGET ACROSS ROBOTICS ECOSYSTEM

The Middle East & Africa market for Robotics is projected to reach **USD 400 million** by 2022, at a compound annual growth rate (CAGR) at 8% from 2019 to 2022.