

PolyCRANE

Automatic unmanned crane guidance system



ABOUT THE SYSTEM:

FLEXIBLE

POSITIONING ACCURACY AND RELIABILITY

SPEED IN OPERATIONS

PROCESS REGULATION PRECISION

USEFUL TO KNOW:

SAFETY | EFFICIENCY | QUALITY

RELIABLE FEEDBACK ON YOUR PRODUCTION

AVAILABLE:

PolySCRAP: Scrap Yard 3D volumes mapping

HARDWARE

The hardware part is composed of a PC and a PLC that manages the basical movements of the crane.

Drives to manage the motors of the x, y, z movements.

Sensors for the position of the x, y, z axis (laser, encoder..)

SOFTWARE

The software is based on two main parts, PLC and HMI applications.

PLC manages automatically the movement and the positioning, as well as safety interlocks.

MAIN FUNCTIONS OF HMI

General and detailed layouts.

Manual command management.

Measurement set up (sensor, speed, references).

