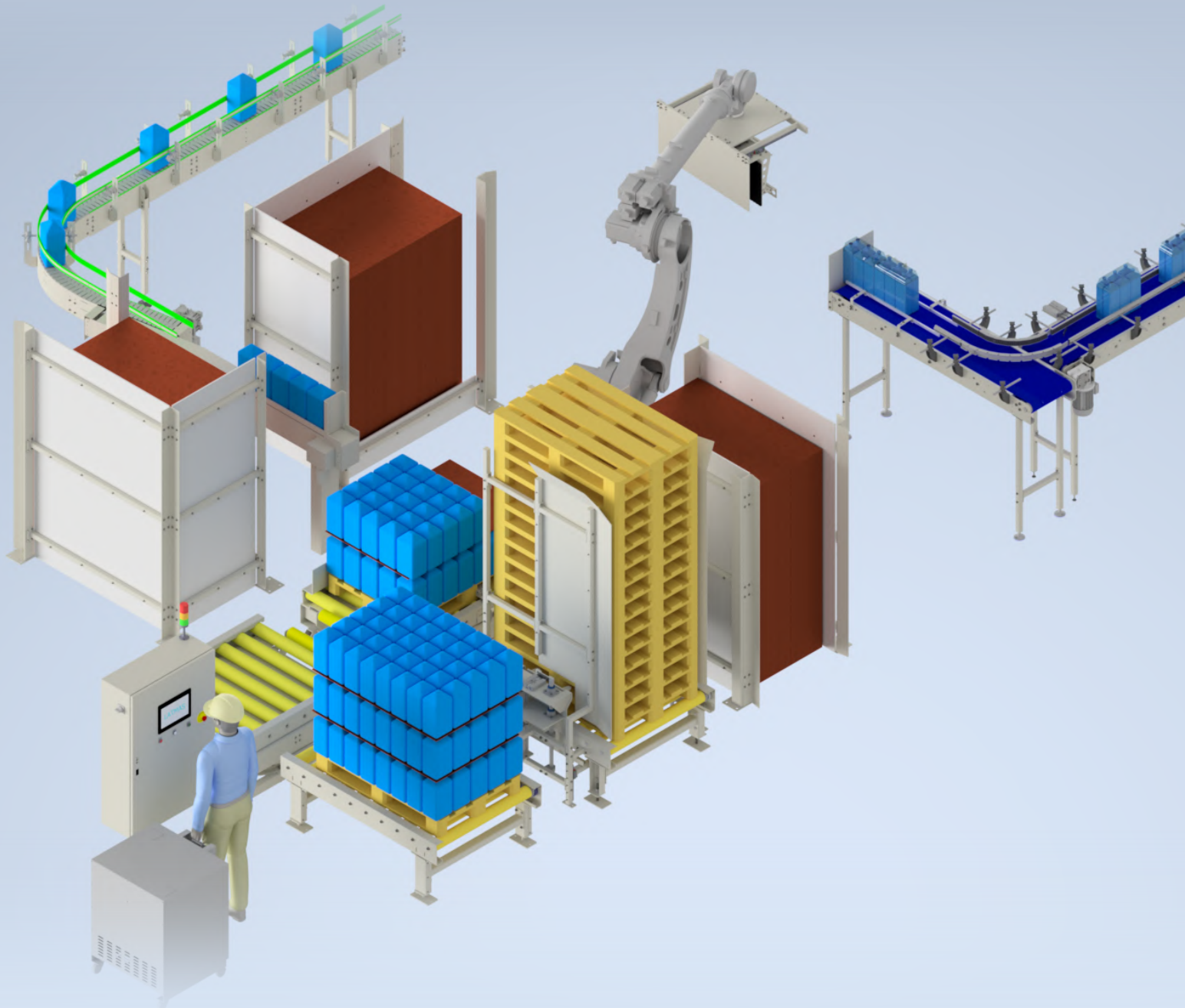
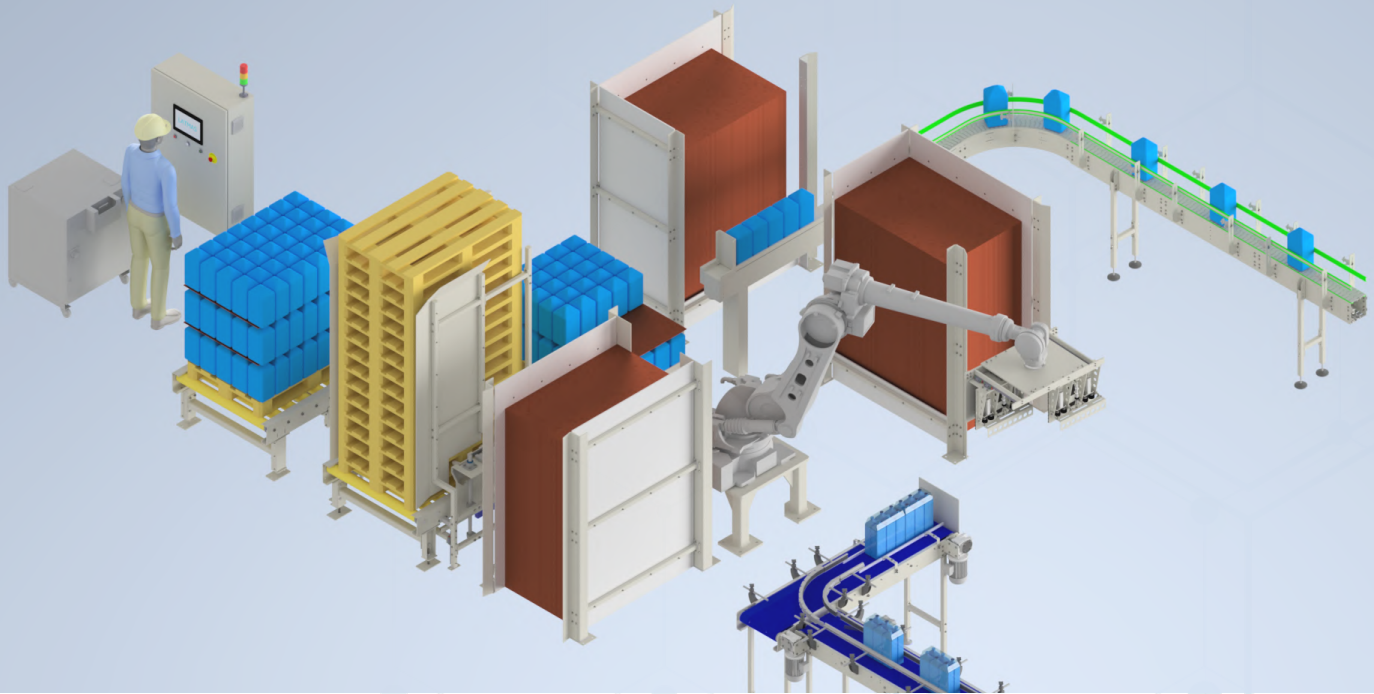




BOTTLED WATER PALLETIZING CELL

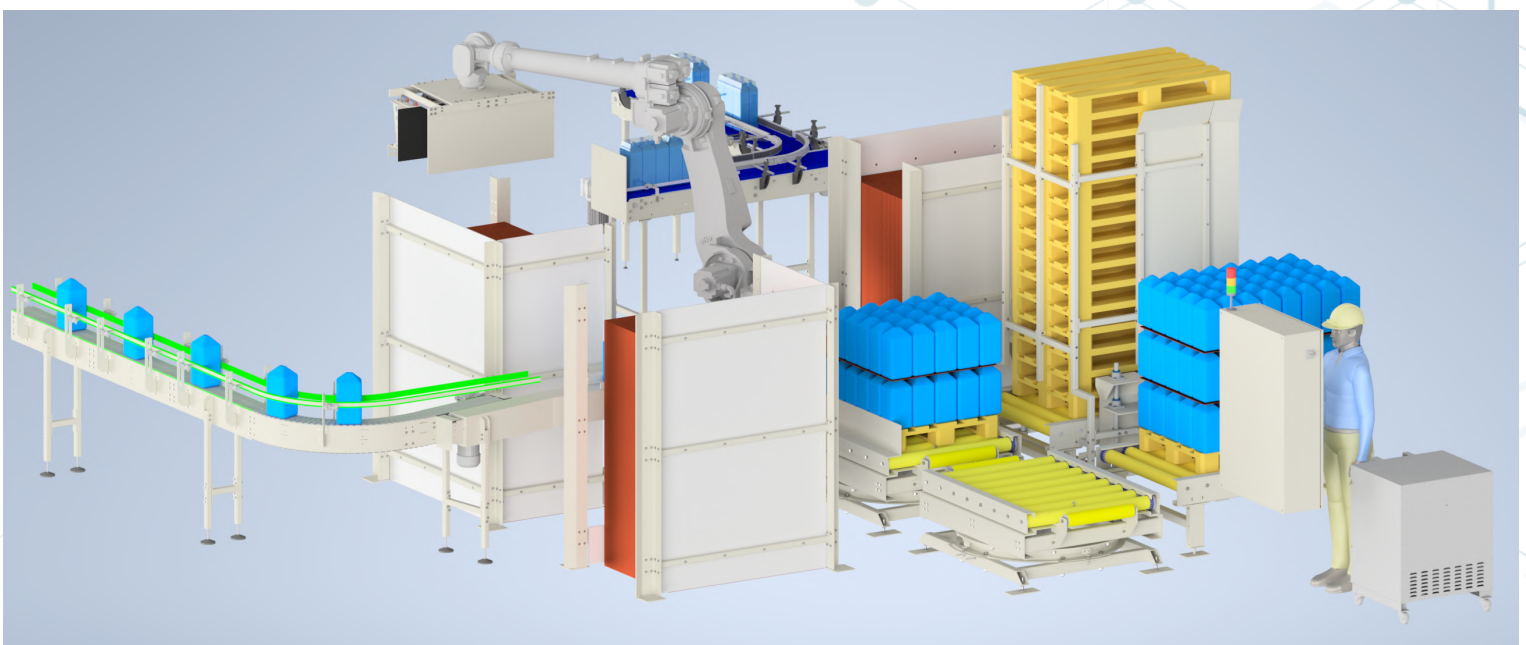


LATMAS
TEHNISKIE RISINĀJUMI



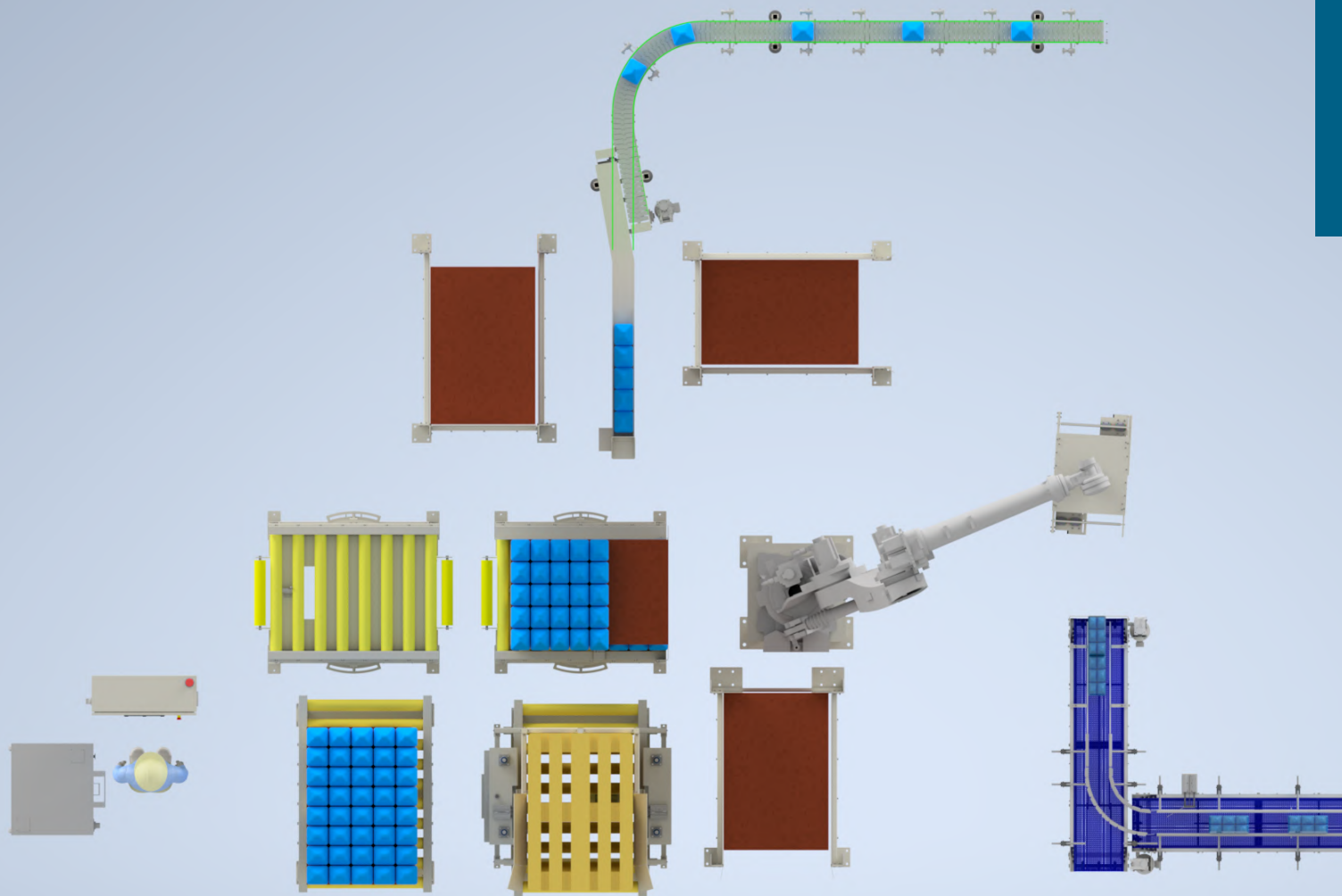
The robot cell provides the ability for manufacturers to create palletized bottled water stacks, ready for shipping. The two incoming conveyors allow diversifying the stacked bottle types. This system has been designed to accommodate **5L plastic bottles as well as 3 x 2L bottle sets**.

By having 3 dedicated cardboard stocks it is possible to achieve high stack adaptability for the current circumstance. If the logistics or environmental factors call for a different type of cardboard, the operators of the cell can simply change the program parameters on the **touch screen control panel**.



The core strength of the cell is the **rotating conveyor technology** that allows us to create a very compact system while still retaining high functionality and versatility.

By utilizing rotating conveyors, heavy stacks can be redirected to the necessary exits effortlessly. Besides heavy product redirecting, it is also possible to integrate an **automatic pallet feeder**, which reduces robot involvement in the peripheral processes of the cell, thus increasing productivity.



Technical information

Robot parameters

Payload.....	160 kg
Max reach.....	3036 mm
Degree of freedom.....	6 axes
Repeatability.....	+/- 0.15 mm
Ambient temperature.....	0-45 C
Approximate weight.....	985 kg
Max rated power.....	8 kVA
Controller model.....	Hi5a

Cell parameters

Size.....	11000 x 6500 mm
Max cell speed.....	full pallet per 4 min
Max bottle size.....	5 L
Max bottle weight.....	5,1 kg
Max pallet size.....	800 x 1200 x 90 mm
Required air pressure.....	6-7 Bar
Required voltage.....	3 x 400 VAC