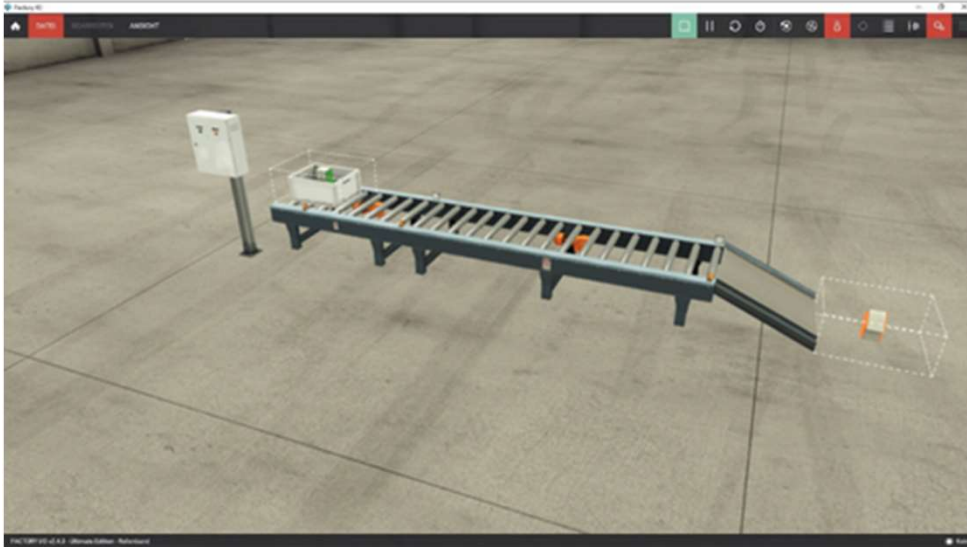


- Model Conveyor Belt



Factory IO

- **Functional Description**

A crate is to be transported via a conveyor belt. The crate is to be transported from A to B via two conveyor belts. After pressing the start button, the crate is to be placed on the conveyor belt. By occupying the sensor (B1), conveyor belt 1 is started and the crate is transported to the next sensor (B2). After occupying the sensor (B2), conveyor belt 2 is started and the crate is conveyed to the next sensor (B3). After leaving the sensor (B3), the crate lands on the ramp and the system switches off.

In/Output assignment

The in- and outputs of the model are assigned as follows (the designation input or output refers to the connected controller):

Input Nr.	Factory IO	PLC-Variable name		Specification
1	S1	I_Start	:BOOL	Start button (closer)
2	B1	I_Sensor_1	:BOOL;	Sensor B1 (light barrier)
3	B2	I_Sensor_2	:BOOL;	Sensor B2 (light barrier)
4	B3	I_Sensor_3	:BOOL;	Sensor B3 (light barrier)
Output Nr.	Factory IO	PLC-Variable name		Specification
1	Conveyor 1 ON	O_Conveyor_1_ON	:BOOL;	Conveyor belt entrance on
2	Conveyor 2 ON	O_Conveyor_2_ON	:BOOL;	Conveyor belt exit on
3	Load Package	O_Load_Package	:BOOL;	Load package