Fire scenario for warehouse automation in the Dispatch Warehouse areas including MG1/PNG section, HRL1 junction, transport gallery (Koerber installation).

1. **Actions performed by the Fire Alarm System that occur in all variants of fire scenarios (different places of generating the fire alarm).**

The following fire scenario is assumed:

1.1. Fire spreads, smoke rises upwards.
1.2. Variants of triggering the 2nd stage fire signal
  1.2.1. Variant 1: Smoke reaches the nominal temperature for sprinkler operation - i.e. at 68ºC the sprinklers in the group protecting the area are activated.
  1.2.2. Variant 2: Variant 2: Smoke detector smoke triggers a I degree signal. The system initiates a II degree fire alarm in case of:
    - FMC employee does not acknowledge the I degree alarm within 30 sec.
    - FMC employee does not cancel the I degree alarm within 6 minutes.
  1.2.3. Variant 3: ROP is pressed.
1.3. SSP control panel located in the sub-center supplying a given area (sub-center no. 5) generates a fire alarm of 2nd degree and transmits a fire signal to the main control panel located in the monitoring room (fire reservoir).
1.4. The main control panel of the SSP performs the following controls:
  - Transmits the fire alarm via the SSP control panel to the E-Box, and next to the Main Headquarters of the State Fire Service in Łódź; [E-BOX - fire alarm system monitoring company].
  - Activates the Fire Alarm System in the warehouse by use of light and sound signalling devices.
  - Releases the access control in the doors and tripods in the alarmed area;
  - Sends a signal to the fire gates in the automatic systems, separating the zone in which the fire occurred from adjacent zones.
  - **!** Fire gates then carry out the scenario of removing cargo units from the fire gate light, stopping the conveyors in the fire gate area and closing the fire gate.
  - Sends a signal to the control cabinets of automation suppliers, which causes the stopping of warehouse automation technology located in the zone where the fire occurred.
  - **!** A "soft stop" is anticipated, which is safe from the point of view of operator safety, machine safety, and allows for easy restart of the installation after eliminating the danger.
  - Starts the fire aeration and smoke removal system in accordance with the smoke removal scenario.

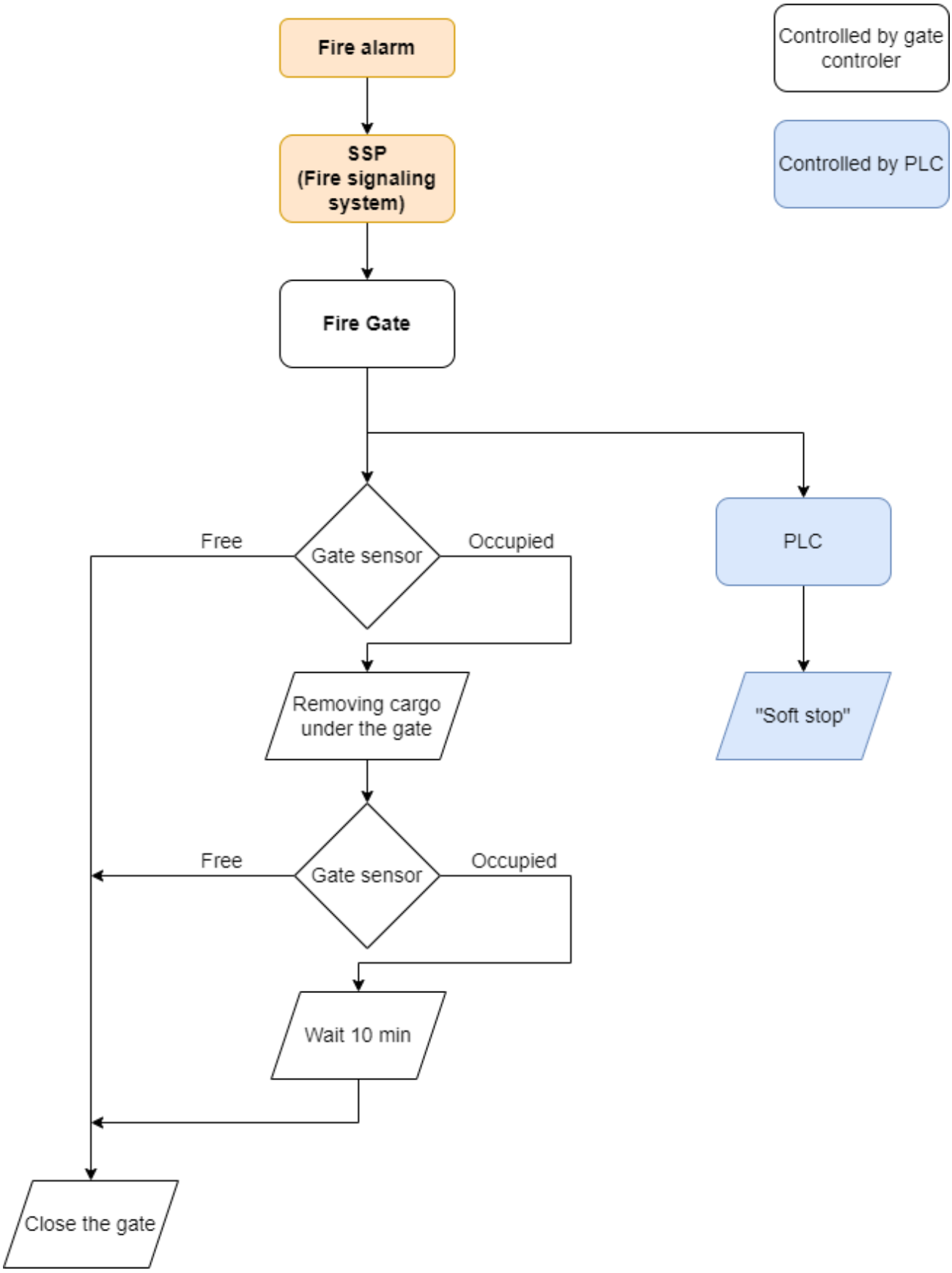
2. **Fire safety circuit breaker**

Those authorised to use the fire extinguisher:

-The commander of the firefighting operation

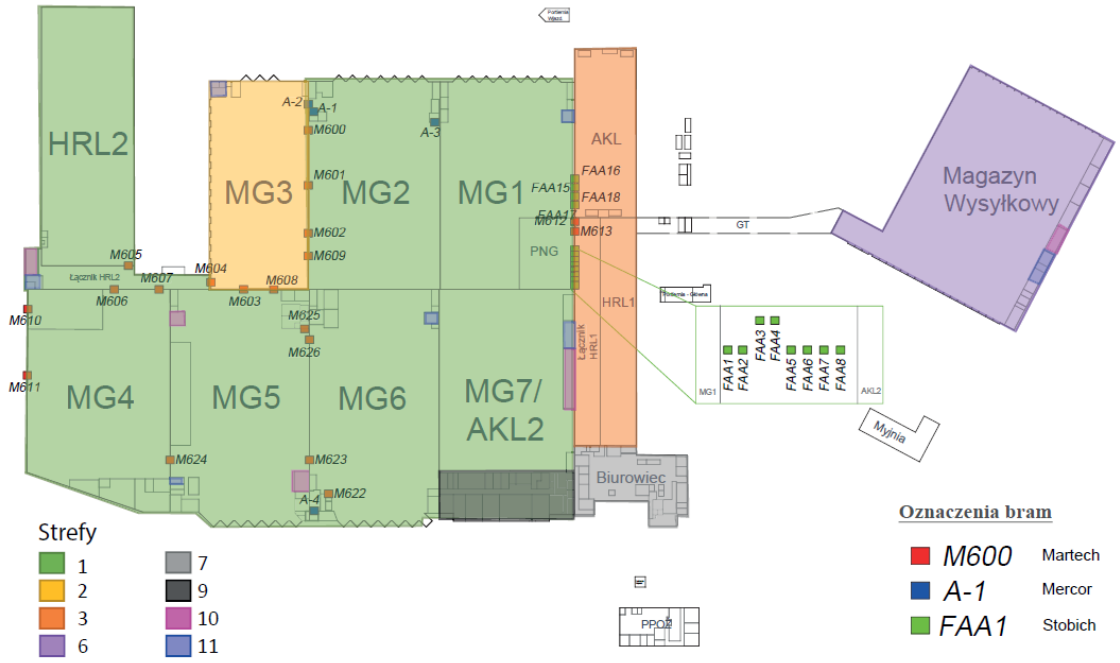
In case of fire circuit breaker activation in the facility, the power supply to all circuits of electrical system is turned off. Then emergency evacuation lighting system is activated.

3. Fire door operation diagram

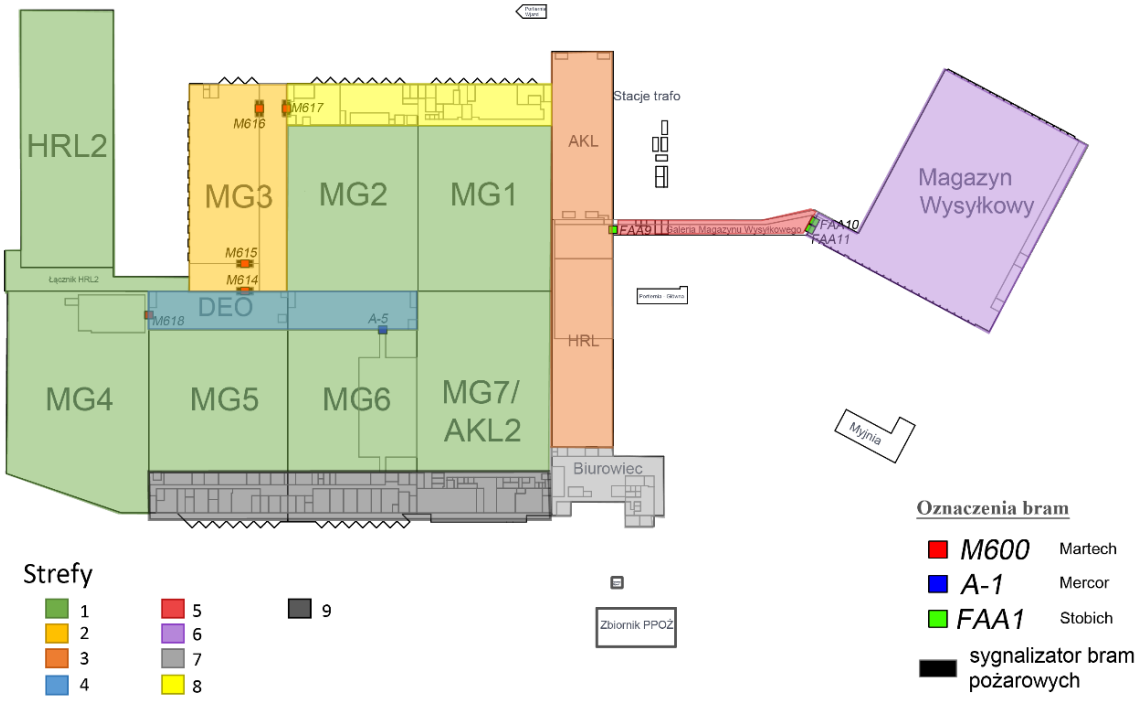


4. Fire hazard variants for individual areas of the Dispatch Warehouse including MG1/PNG section, HRL1 junction, transport gallery

Rzut - parter



Rzut - 1 piętro



A - fire in the MG1 warehouse area (Zone 1)

List of elements of warehouse automatics switched off in case of fire and the way of stopping the installations:

Controller/System	Installation fragment	Switch-off method
PLC11	In accordance with diagram in Annex 1.	**Fire signal.** **RC/Dolly conveyors and turntables:** RC/Dolly on chain conveyors complete a transport step and stop at that point. The conveyor under the fire gate (FAA1, FAA2, FAA3, FAA4, FAA5, FAA6, FAA7, FAA8, M612, M613) must remain free, regardless of current RC/Dolly position when the fire signal occurs to allow the fire gate to close. The conveyors do not accept further orders, the automatic mode is turned off. **RC/Dolly lift:** a) Lift empty - does not accept new order. Stopping the lift at the bottom base position. **b)** Lift full- place RC/Dolly in accordance with the order on the upper level and stop the lift. If it is not possible to complete the order, the lift moves to the lower base position and stops. **TCARs and pairing conveyors:** If possible, they complete the last order (unload RC/Dolly) and then move to the base position. They do not accept further orders, the automatic mode is turned off. **Interface with RBS trolleys:** Execute the last order (if RC/Dolly transfer is in progress), confirm data rewrite on PLC level. RBS trolleys do not accept any more orders, automatic mode is switched off.
PLC41	In accordance with diagram in Annex 4.	Fire signal. **Stacker 1&2:** -RC/Dolly on chain conveyors complete a transport step and stop at that point. The conveyors do not accept further orders, the automatic mode is turned off. -Tote conveyors- Stop at the end of the last cycle -Grippers- Stops at the end of the last cycle -Capper- Stops at end of the last cycle -Tote elevator- Stops at end of last cycle. Stacker 1&2, once previous operations are complete, turns off automatic mode. **Shuttle 1&2 tote conveyors:**

		-Turned off from automatic mode as recommended for Kingdrive
Shuttle	In accordance with diagram in Annex 4.	Fire signal. **Stingray trolleys:** a) Empty trolley- stopping the trolley b) Trolley with tote- putting the tote according to order into the rack or into the lift conveyor. Stopping the trolley. The trolleys do not accept further orders, the automatic mode is switched off. **Shuttle lifts:** a) Lift empty- stopping the lift in the down position. b) Lift full- give the tote according to the order on the lower level and stop the lift. If it is not possible to complete the order, the lift moves to the bottom position and stops. The lift does not accept further orders, the automatic mode is switched off.
Lachenmaier (Foiling machines)	In accordance with diagram in Annex 1.	Fire signal. **Lachenmaier:** a) Foiling machine empty- Stopping in the upper base position. b) Foiling machine in the middle of an order- End of foiling and then stop in the upper base position. The chain conveyor under the foiling machine does not move (control from PLC11). The foiling machines do not accept further orders, the automatic mode is switched off.
PLC31	In accordance with diagram in Annex 3.	Fire signal. **Pallet technology:** On the conveyors, the pallets complete a transport step and stop at that point. Conveyors does not accept further orders, shuts down automatic mode. **Lifting tables:** The tables complete the transport step and stop there (position of finished transport step). They do not accept further orders, the automatic mode is switched off. **TCARs:** If possible they execute the last order and then move to the starting position (at conveyor 009). They do not accept further orders, the automatic mode is switched off. a) TCAR empty - stop at the base position (on conveyor 009)

		b) TCAR full (possibility of handing over the pallet)- executes the last order and then moves to the start position (on conveyor 009) c) TCAR full (no possibility of handing over)-stop at the base position (on conveyor 009) **PNG conveyor technology:** Conveyors and lifts complete the ordered movement (if in progress), and then stop at the base position. They do not accept any further orders, the automatic mode is switched off. The conveyor under the fire gate (FAA1, FAA2, FAA3, FAA4, FAA5, FAA6, FAA7, FAA8, M612, M613) must remain free to allow the fire gate to close.

B - fire in the MG1 warehouse in the PNG (Zone 1)

List of elements of warehouse automatics switched off in case of fire and the way of stopping the installations:

Controller/System	Installation fragment	Switch-off method
PLC11	In accordance with diagram in Annex 1.	Fire signal. **RC/Dolly conveyors and turntables:** RC/Dolly on chain conveyors complete a transport step and stop at that point. The conveyor under the fire gate (FAA1, FAA2, FAA3, FAA4, FAA5, FAA6, FAA7, FAA8, M612, M613) must remain free, regardless of current RC/Dolly position when the fire signal occurs to allow the fire gate to close. The conveyors do not accept further orders, the automatic mode is turned off. **RC/Dolly lift:** c) Lift empty - does not accept new order. Stopping the lift at the bottom base position. **d)** Lift full- place RC/Dolly in accordance with the order on the upper level and stop the lift. If it is not possible to complete the order, the lift moves to the lower base position and stops. **TCARs and pairing conveyors:** If possible, they complete the last order (unload RC/Dolly) and then move to the base position. They do not accept further orders, the automatic mode is turned off. **Interface with RBS trolleys:** Execute the last order (if RC/Dolly transfer is in progress), confirm data rewrite on PLC level. RBS trolleys

		do not accept any more orders, automatic mode is switched off.
EBB	In accordance with diagram in Annex 3.	Fire signal. **EBB Trolleys:** Execute last order (if in RC/Dolly transfer). They do not accept further orders, automatic mode is turned off. The section of track under the fire gate (FAA9) must remain free regardless of the current trolleys position when the fire signal occurs to allow the fire gate to shut.
PLC41	In accordance with diagram in Annex 4.	Fire signal. **Stacker 1&2:** -RC/Dolly on chain conveyors complete a transport step and stop at that point. The conveyors do not accept further orders, the automatic mode is turned off. -Tote conveyors- Stop at the end of the last cycle -Grippers- Stops at the end of the last cycle -Capper- Stops at end of the last cycle -Tote elevator- Stops at end of last cycle. Stacker 1&2, once previous operations are complete, turns off automatic mode. **Shuttle 1&2 tote conveyors:** -Turned off from automatic mode as recommended for Kingdrive
Shuttle	In accordance with diagram in Annex 4.	Fire signal. **Stingray trolleys:** c) Empty trolley- stopping the trolley d) Trolley with tote- putting the tote according to order into the rack or into the lift conveyor. Stopping the trolley. The trolleys do not accept further orders, the automatic mode is switched off. **Shuttle lifts:** c) Lift empty- stopping the lift in the down position. d) Lift full- give the tote according to the order on the lower level and stop the lift. If it is not possible to complete the order, the lift moves to the bottom position and stops. The lift does not accept further orders, the automatic mode is switched off.
Lachenmaier (Foiling machines)	In accordance with diagram in Annex 1.	Fire signal. **Lachenmaier:** c) Foiling machine empty- Stopping in the upper base position. d) Foiling machine in the middle of an order- End of foiling and then stop in the upper base

		position. The chain conveyor under the foiling machine does not move (control from PLC11). The foiling machines do not accept further orders, the automatic mode is switched off.
PLC31	In accordance with diagram in Annex 3.	Fire signal. **Pallet technology:** On the conveyors, the pallets complete a transport step and stop at that point. Conveyors does not accept further orders, shuts down automatic mode. **Lifting tables:** The tables complete the transport step and stop there (position of finished transport step). They do not accept further orders, the automatic mode is switched off. **TCARs:** If possible they execute the last order and then move to the starting position (at conveyor 009). They do not accept further orders, the automatic mode is switched off. d) TCAR empty - stop at the base position (on conveyor 009) e) TCAR full (possibility of handing over the pallet)- executes the last order and then moves to the start position (on conveyor 009) f) TCAR full (no possibility of handing over)-stop at the base position (on conveyor 009) **PNG conveyor technology:** Conveyors and lifts complete the ordered movement (if in progress), and then stop at the base position. They do not accept any further orders, the automatic mode is switched off. The conveyor under the fire gate (FAA1, FAA2, FAA3, FAA4, FAA5, FAA6, FAA7, FAA8, M612, M613) must remain free to allow the fire gate to close.

C - fire in HRL (Zone 3)

List of elements of warehouse automatics switched off in case of fire and the way of stopping the installations:

Controller/System	Installation fragment	Switch-off method
PLC11	In accordance with diagram in Annex 1.	Fire signal. **RC/Dolly conveyors and turntables:** RC/Dolly on chain conveyors complete a transport step and stop at that point. The conveyor under the fire gate (FAA1, FAA2, FAA3, FAA4, FAA5, FAA6, FAA7, FAA8, M612, M613) must

		remain free, regardless of current RC/Dolly position when the fire signal occurs to allow the fire gate to close. The conveyors do not accept further orders, the automatic mode is turned off. **RC/Dolly lift:** e) Lift empty - does not accept new order. Stopping the lift at the bottom base position. **f)** Lift full- place RC/Dolly in accordance with the order on the upper level and stop the lift. If it is not possible to complete the order, the lift moves to the lower base position and stops. **TCARs and pairing conveyors:** If possible, they complete the last order (unload RC/Dolly) and then move to the base position. They do not accept further orders, the automatic mode is turned off. **Interface with RBS trolleys:** Execute the last order (if RC/Dolly transfer is in progress), confirm data rewrite on PLC level. RBS trolleys do not accept any more orders, automatic mode is switched off.
EBB	In accordance with diagram in Annex 3.	Fire signal. **EBB Trolleys:** Execute last order (if in RC/Dolly transfer). They do not accept further orders, automatic mode is turned off. The section of track under the fire gate (FAA9) must remain free regardless of the current trolleys position when the fire signal occurs to allow the fire gate to shut.
PLC31	In accordance with diagram in Annex 3.	Fire signal. **Pallet technology:** On the conveyors, the pallets complete a transport step and stop at that point. Conveyors does not accept further orders, shuts down automatic mode. **Lifting tables:** The tables complete the transport step and stop there (position of finished transport step). They do not accept further orders, the automatic mode is switched off. **TCARs:** If possible they execute the last order and then move to the starting position (at conveyor 009). They do not accept further orders, the automatic mode is switched off. g) TCAR empty - stop at the base position (on conveyor 009)

		h) TCAR full (possibility of handing over the pallet)- executes the last order and then moves to the start position (on conveyor 009) i) TCAR full (no possibility of handing over)-stop at the base position (on conveyor 009) **PNG conveyor technology:** Conveyors and lifts complete the ordered movement (if in progress), and then stop at the base position. They do not accept any further orders, the automatic mode is switched off. The conveyor under the fire gate (FAA1, FAA2, FAA3, FAA4, FAA5, FAA6, FAA7, FAA8, M612, M613) must remain free to allow the fire gate to close.

D - fire in the Transport Gallery building. (Zone 5)

List of elements of warehouse automatics switched off in case of fire and the way of stopping the installations:

Controller/System	Installation fragment	Switch-off method
EBB	In accordance with diagram in Annex 3.	Fire signal. **EBB trolleys:** The EBB trolleys are stopped with regard to keeping the technical passages clear. The system switches off the automatic mode. The section of track under the fire gate (FAA9, FAA10, FAA11) must remain free to allow the fire gate to shut.

E - fire in shipping warehouse. (Zone 6)

List of elements of warehouse automatics switched off in case of fire and the way of stopping the installations:

Controller/System	Installation fragment	Switch-off method
PLC21	In accordance with diagram in Annex 2.	Fire signal. **RC/Dolly conveyors (on both levels):** a) On the chain conveyors the RC/Dolly finish the transport step and stop there. The stacker does not have an order (when the fire signal occurs) to return the RC/Dolly to the MW ground floor exit conveyor. The conveyors do not accept further orders, the automatic mode is switched off. b) Exit conveyors ground floor MW - The stacker crane has an order (when the fire signal occurs) to place a RC/Dolly on the exit conveyor ground floor MW. The conveyor provides for the insertion of RC/Dolly by the

		stacker crane during the fire signal occurrence. The conveyors do not accept further orders, the automatic mode is switched off. **Interface with the RBS conveyors (upper level):** a) Empty cart- does not accept another order, automatic mode is disabled. b) Full cart (possibility of handing over the RC/Dolly)-execution of the order (if it is in the process of RC/Dolly transfer), confirmation of data transcription. The carts do not accept any more orders, automatic mode is deactivated. c) Full trolley (no possibility of handling over the RC/Dolly)- trolley stops and automatic mode is deactivated. The section of track under the fire gate must remain free to allow the fire gate to close.
Stacker cranes MW - 9 PLC	In accordance with diagram in Annex 2.	Fire signal. **Stacker crane MW:** a) Empty stacker crane- the stacker crane arrives at the Home position. It does not accept any more orders, switches off the automatic mode. b) Full stacker crane - (possibility of handling over the RC/Dolly)- deposit the RC/Dolly according to the order in the rack or on the outfeed conveyors. If it is not possible to deposit the RC/Dolly in the ordered location in the rack, the stacker crane deposits the RC/Dolly in the "backpack" location. If this location is also occupied, the stacker crane deposits the RC/Dolly in another free location (to be confirmed by Koerber). The stacker crane then arrives at the Home position. c) Full stacker crane (no possibility of handling over the RC/Dolly)- It does not accept any further orders, arrives at the Home position and switches off the automatic mode.
EBB	In accordance with diagram in Annex 3.	Fire signal. **EBB trolleys:** The EBB trolleys are stopped with regard to keeping the technical passages clear. They execute last order (if in RC/Dolly transfer). They do not accept further order. The system switches off the automatic mode.

		The section of track under the fire gate (FAA10, FAA11) must remain free regardless of current trolley position to allow the fire gate to shut.

5. **Restoring automatic mode after a fire alarm Koerber technology**
   5.1. After the fire alarm goes off, the technicians reset the fire gate control panel; the procedure for opening closed gates begins.
   5.2. After step 1, a reset of the errors that have occurred is performed:
      5.2.1. Reset of the errors via the visualisation (preferred procedure).
      5.2.2. Reset of the errors on the control cabinet using the "reset" button.
      5.2.3. Reset of errors in the event of a data discrepancy using the operator panels (emergency procedure).
   5.3. Activation of automatic mode using the visualisation or the button on the main control cabinet responsible for the area.
   5.4. Installation ready for use.

6. Glossary

MW (DW)-Dispatch warehouse
GT-Transport gallery
"Soft stop" - a method of stopping which is safe from the point of view of operator safety, machine safety, and enables the installation to be restarted easily once the danger has been eliminated.
ROP-manual callpoint
SSP-Fire alarm system
RC-Roller container
Dolly- Transport carrier
HRL 1/HRL 2- Pallet warehouses
AKL 1/AKL 2- Totes warehouses
MG 1, MG 2, etc.- Warehouse buildings
PNG-paper storage and loading facility
Shuttle- storage of totes ready for dispatch
Stingray-Trolley for totes inside Shuttle
Stacker- the installation responsible for stacking the totes for dispatch
T-CAR- Pallet transport trolley
Home position - base position for MW stacker cranes
"Backpack"- spare location on the shelf of the MW stacker crane

Stacker	„Backpack” address
1	P20100100210 P20100200210 P20100100220 P20100100220
2	P20300100210 P20300200210 P20300100220 P20300100220
3	P20500100210 P20500200210 P20500100220 P20500100220
4	P20700100210 P20700200210 P20700100220 P20700100220
5	P20900100210 P20900200210 P20900100220 P20900100220

6	P21100100210	P21100200210	P21100100220	P21100100220
7	P21300100210	P21300200210	P21300100220	P21300100220
8	P21500100210	P21500200210	P21500100220	P21500100220
9	P21700100210	P21700200210	P21700100220	P21700100220

7. Location of the PLCs

Location of the PLCs is described by the diagram in the Annex no. 5.

PLC11	1
PLC21	2
PLC31	3
PLC41	4
Shuttle 1	5.1
Shuttle 2	5.2
Lachenmeier 1	6.1
Lachenmeier 2	6.2
EBB	7
Stacker cranes MW	8.1-8.9

8. Tasks of passive and active fire protection elements during a fire

No.	Component, installation, device	State during fire	Tasks during fire
1	Fire alarm system	Active	Activation of executive devices - as per Annex 1.
2	Alarm Transmission Device	Active (will be activated automatically by the SSP)	Transmission of fire information to the Lodz Central Fire Department
3	Active Sprinkler System	Active (Sprinklers will open when exposed to temperature - nominal operating temperature of sprinkler system is 68°C)	Limitation of fire spreading
4	Smoke dampers	Opened in the warehouse hall (will be activated automatically by the triggering of thermal triggers ≥93°C)	The smoke dampers will allow the removal of smoke from the warehouse and the transport gallery
5	Ventilation, air-conditioning	Off (will be switched off automatically by SSP)	Switching off will prevent spread of smoke
6	Fire Doors	Closed (will be closed automatically by the SSP, if they are normally in the open position)	Prevent fire spreading between fire compartments and from compartmented spaces to the remainder of the fire compartment
7	Evacuation lighting	Activated in the event of mains power failure (local power failure or after operation of the fire circuit breaker)	Provision of escape route lighting

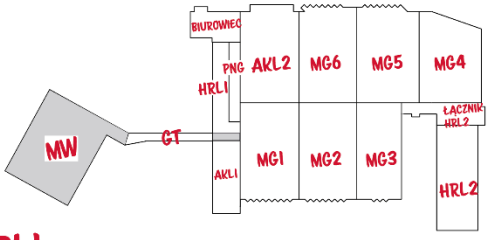
Annex 5.

POZIOM 1

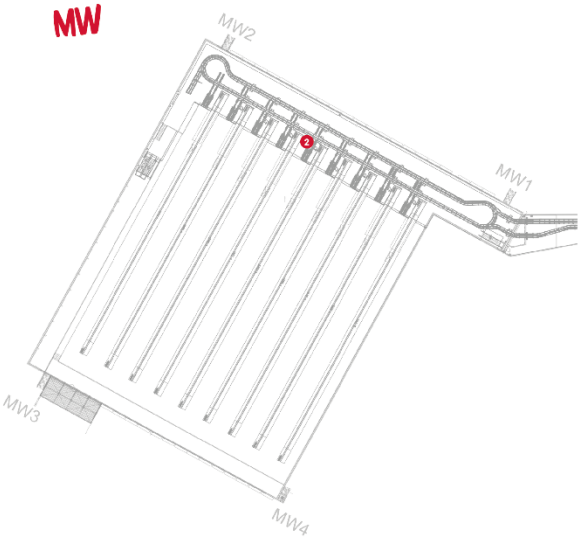
Legenda

PLC21 2

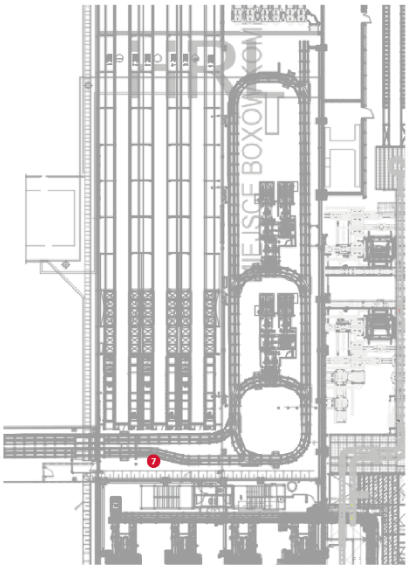
EBB 7



MW



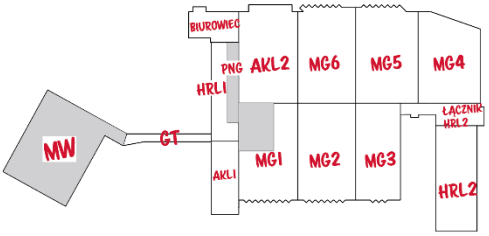
HRL1



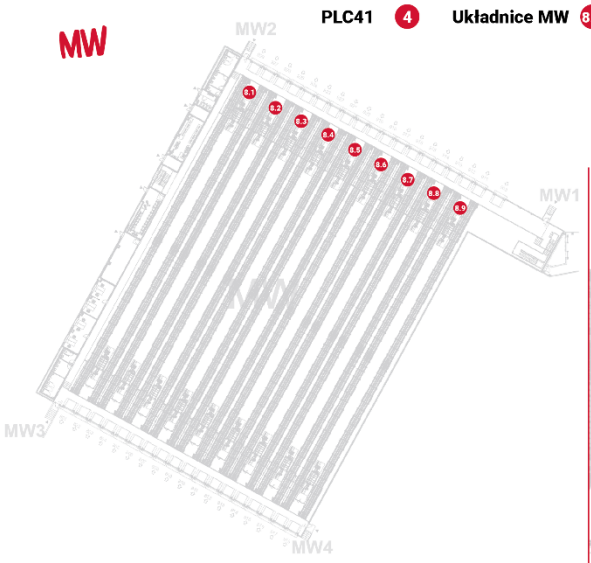
POZIOM 0

Legenda

PLC11	1	Shuttle	5.1 — 5.2
PLC31	3	Lachenmeier	6.1 — 6.2
PLC41	4	Układnice MW	8.1 — 8.9



MW



PNG / MG1

estop_area_1

Gruppe 01
Gruppe 02
Gruppe 03
Gruppe 04
Gruppe 05
Gruppe 06
Gruppe 07
Gruppe 08
Gruppe 09
Gruppe 10
Gruppe 12
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Gruppe 14
Gruppe 15
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Gruppe 37
Gruppe 38
Gruppe 11
Gruppe 17
Gruppe 18
Gruppe 19
Gruppe 20
Gruppe 21

KOKO
Drehstation
Enstapler
Dolly Stacker
Einzelstellplatz
Arbeitsplatz
Lachenmeier Verpackungsmaschine
Drehtisch
Heber 7
Heber 8
Heber 9
Heber 10
QVW
Wall
BST 1
BST 2
BST 5
BST 6
EBB
RC Conveyor
DOLLY Conveyor
estop_area_2
estop_area_3
estop_area_4

Kontrollplatz RC vor Drehtisch
- Prüfen RFID Tag auf Lesbarkeit
- Prüfung Tür auf
- Prüfung Deckel auf
- Prüfung Tür verriegelt.
- Prüfung Länge RC mit Lichtgitter

Arbeitsplatz
- An diesem Arbeitsplatz befindet sich ein Terminal und ein Drucker für Shipping Label von Ehrhardt und Partner
- Tür und Deckel schließen bei RC
- Bei Dolly Spannurt ziehen und befestigen
- Drucken Shipping Label
- Anbringen Shipping Label an RC bzw. Dolly-Stapel

Arbeitsplatz
- RC fährt in 119. Position (Lenkrollen stehen in Richtung Haubenstretcher)
- Mitarbeiter scannt Plombe und bringt Plombe am RC an und quittiert.
- RC fährt in 120. Position und PNG Pakete werden automatisch am AP bereit gestellt.
- Auflegen der PNG Pakete
- Dialog am PMS

Arbeitsplatz
- RC fährt in 120. Position und PNG Pakete werden automatisch am AP bereit gestellt.
- Auflegen der PNG Pakete
- Dialog am PMS

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Gruppe 01	Gruppe 05	Gruppe 02	Gruppe 05	Gruppe 30	Gruppe 32	Gruppe 12
Gruppe 02	Gruppe 06	Gruppe 04	Gruppe 07	Gruppe 31	Gruppe 33	Gruppe 13
Gruppe 03	Gruppe 07	Gruppe 05	Gruppe 09	Gruppe 32	Gruppe 34	Gruppe 14
Gruppe 04	Gruppe 08	Gruppe 10	Gruppe 11	Gruppe 33	Gruppe 35	Gruppe 15
Gruppe 05	Gruppe 09	Gruppe 12	Gruppe 17	Gruppe 38	Gruppe 36	Gruppe 16
		Gruppe 14	Gruppe 19		Gruppe 37	
		Gruppe 15	Gruppe 20		Gruppe 38	
			Gruppe 35			

=10204_KF-XP04, ID-8	=10124_KF-XP04, ID-9	ID-10	ID-11	ID-12	ID-13	ID-14
Gruppe 17	Gruppe 22	Gruppe 26	Gruppe 23	Gruppe 27	Gruppe 12	Gruppe 33
Gruppe 18	Gruppe 23	Gruppe 27	Gruppe 24	Gruppe 28	Gruppe 14	Gruppe 34
Gruppe 19	Gruppe 24	Gruppe 28	Gruppe 25	Gruppe 29	Gruppe 15	Gruppe 35
Gruppe 20					Gruppe 17	Gruppe 36
Gruppe 21					Gruppe 19	Gruppe 37
					Gruppe 20	Gruppe 38

Handgruppe 1 RGB(156; 74; 9)	Handgruppe 11 RGB(126; 100; 158)	Handgruppe 21 RGB(242; 220; 218)	Handgruppe 31 RGB(217; 150; 144)	Handgruppe 41 RGB(255; 255; 0)
Handgruppe 2 RGB(32; 88; 103)	Handgruppe 12 RGB(88; 128; 179)	Handgruppe 22 RGB(127; 127; 127)	Handgruppe 32 RGB(216; 216; 216)	Handgruppe 42 RGB(0; 112; 192)
Handgruppe 3 RGB(204; 153; 255)	Handgruppe 13 RGB(102; 255; 153)	Handgruppe 23 RGB(255; 102; 204)	Handgruppe 33 RGB(255; 102; 0)	Handgruppe 43 RGB(255; 0; 0)
Handgruppe 4 RGB(255; 255; 153)	Handgruppe 14 RGB(204; 194; 217)	Handgruppe 24 RGB(112; 48; 160)	Handgruppe 34 RGB(253; 235; 221)	Handgruppe 44 RGB(102; 255; 255)
Handgruppe 5 RGB(245; 157; 86)	Handgruppe 15 RGB(255; 192; 0)	Handgruppe 25 RGB(120; 148; 64)	Handgruppe 35 RGB(249; 196; 153)	Handgruppe 45 RGB(127; 127; 127)
Handgruppe 6 RGB(0; 176; 80)	Handgruppe 16 RGB(196; 214; 160)	Handgruppe 26 RGB(217; 150; 144)	Handgruppe 36 RGB(204; 153; 0)	Handgruppe 46 RGB(112; 48; 160)
Handgruppe 7 RGB(153; 255; 153)	Handgruppe 17 RGB(183; 221; 232)	Handgruppe 27 RGB(0; 176; 240)	Handgruppe 37 RGB(235; 241; 223)	Handgruppe 47 RGB(165; 0; 33)
Handgruppe 8 RGB(75; 172; 198)	Handgruppe 18 RGB(255; 153; 255)	Handgruppe 28 RGB(141; 177; 226)	Handgruppe 38 RGB(146; 208; 80)	Handgruppe 48 RGB(255; 51; 153)
Handgruppe 9 RGB(198; 216; 240)	Handgruppe 19 RGB(146; 57; 49)	Handgruppe 29 RGB(165; 165; 165)	Handgruppe 39 RGB(204; 0; 153)	Handgruppe 49 RGB(153; 102; 0)
Handgruppe 10 RGB(120; 148; 64)	Handgruppe 20 RGB(255; 255; 0)	Handgruppe 30 RGB(196; 214; 160)	Handgruppe 40 RGB(80; 99; 42)	Handgruppe 50 RGB(0; 204; 153)

Handgruppe 51 RGB(156; 74; 9)	Handgruppe 61 RGB(126; 100; 158)	Handgruppe 71 RGB(242; 220; 218)	Handgruppe 81 RGB(217; 150; 144)	Handgruppe 91 RGB(255; 255; 0)
Handgruppe 52 RGB(32; 88; 103)	Handgruppe 62 RGB(88; 128; 179)	Handgruppe 72 RGB(127; 127; 127)	Handgruppe 82 RGB(216; 216; 216)	Handgruppe 92 RGB(0; 112; 192)
Handgruppe 53 RGB(204; 153; 255)	Handgruppe 63 RGB(102; 255; 153)	Handgruppe 73 RGB(234; 112; 13)	Handgruppe 83 RGB(255; 102; 0)	Handgruppe 93 RGB(255; 0; 0)
Handgruppe 54 RGB(255; 255; 153)	Handgruppe 64 RGB(204; 194; 217)	Handgruppe 74 RGB(112; 48; 160)	Handgruppe 84 RGB(253; 235; 221)	Handgruppe 94 RGB(102; 255; 255)
Handgruppe 55 RGB(245; 157; 86)	Handgruppe 65 RGB(255; 192; 0)	Handgruppe 75 RGB(120; 148; 64)	Handgruppe 85 RGB(249; 196; 153)	Handgruppe 95 RGB(127; 127; 127)
Handgruppe 56 RGB(0; 176; 80)	Handgruppe 66 RGB(49; 133; 155)	Handgruppe 76 RGB(217; 150; 144)	Handgruppe 86 RGB(204; 153; 0)	Handgruppe 96 RGB(112; 48; 160)
Handgruppe 57 RGB(153; 255; 153)	Handgruppe 67 RGB(183; 221; 232)	Handgruppe 77 RGB(0; 176; 240)	Handgruppe 87 RGB(235; 241; 223)	Handgruppe 97 RGB(165; 0; 33)
Handgruppe 58 RGB(75; 172; 198)	Handgruppe 68 RGB(255; 153; 255)	Handgruppe 78 RGB(141; 177; 226)	Handgruppe 88 RGB(146; 208; 80)	Handgruppe 98 RGB(255; 51; 153)
Handgruppe 59 RGB(198; 216; 240)	Handgruppe 69 RGB(146; 57; 49)	Handgruppe 79 RGB(165; 165; 165)	Handgruppe 89 RGB(204; 0; 153)	Handgruppe 99 RGB(153; 102; 0)
Handgruppe 60 RGB(120; 148; 64)	Handgruppe 70 RGB(255; 255; 0)	Handgruppe 80 RGB(196; 214; 160)	Handgruppe 90 RGB(80; 99; 42)	Handgruppe 100 RGB(0; 204; 153)

Gruppe 09

Gruppe 08

Gruppe 07

Gruppe 06

Gruppe 05

Gruppe 04

Gruppe 03

Gruppe 02

Gruppe 01

Gruppe 44

Gruppe 42

Gruppe 40

Gruppe 38

Gruppe 36

Gruppe 34

Gruppe 32

Gruppe 30

Gruppe 28

Gruppe 26

Gruppe 24

Gruppe 22

Gruppe 20

Gruppe 18

Gruppe 16

Gruppe 14

Gruppe 12

Gruppe 10

Gruppe 45

Gruppe 43

Gruppe 41

Gruppe 39

Gruppe 37

Gruppe 35

Gruppe 33

Gruppe 31

Gruppe 29

Gruppe 27

Gruppe 25

Gruppe 23

Gruppe 21

Gruppe 19

Gruppe 17

Gruppe 15

Gruppe 13

Gruppe 11

Safety area 9

Safety area 8

Safety area 7

Safety area 6

Safety area 5

Safety area 4

Safety area 3

Safety area 2

Safety area 1

Safety area 19

Safety area 18

Safety area 17

Safety area 16

Safety area 15

Safety area 14

Safety area 13

Safety area 12

Safety area 11

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Safety area 27

Safety area 26

Safety area 25

Safety area 24

Safety area 23

Safety area 22

Safety area 21

RBG Gasse 9

RBG Gasse 8

RBG Gasse 7

RBG Gasse 6

RBG Gasse 5

RBG Gasse 4

RBG Gasse 3

RBG Gasse 2

RBG Gasse 1

AKL09

AKL08

AKL07

AKL06

AKL05

AKL04

AKL03

AKL02

AKL01

EBB

EBB

ID-9 =20177_KF-XP04 =20177_KF-S05

ID-8 =20157_KF-XP04 =20157_KF-S05

ID-7 =20137_KF-XP04 =20137_KF-S05

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ID-4 =20077_KF-XP04 =20077_KF-S05

ID-3 =20057_KF-XP04 =20057_KF-S05

ID-2 =20037_KF-XP04 =20037_KF-S05

ID-1 =20017_KF-XP04 =20017_KF-S05

++0223

ID-11 SPS_BS++0223-S05

++0222

ID-10 SPS_BS++0222-S05

++0221

ID-14 SPS_BS-S05

++0225

ID-13 SPS_BS++0225-S05

++0224

ID-12 SPS_BS++0224-S05

Hubeinheit für 20006 und 20007
→ Ins für oben und unten
Sperre zwischen 20006 und 20007
→ Ins für oben und unten
1x Spaltkontrolle zu RBG

Handgruppe 1 RGB(156; 74; 9)	Handgruppe 11 RGB(126; 100; 158)	Handgruppe 21 RGB(242; 220; 218)	Handgruppe 31 RGB(217; 150; 144)	Handgruppe 41 RGB(255; 255; 0)
Handgruppe 2 RGB(32; 88; 103)	Handgruppe 12 RGB(88; 128; 179)	Handgruppe 22 RGB(127; 127; 127)	Handgruppe 32 RGB(216; 216; 216)	Handgruppe 42 RGB(0; 112; 192)
Handgruppe 3 RGB(204; 153; 255)	Handgruppe 13 RGB(102; 255; 153)	Handgruppe 23 RGB(234; 112; 13)	Handgruppe 33 RGB(255; 102; 0)	Handgruppe 43 RGB(255; 0; 0)
Handgruppe 4 RGB(255; 255; 153)	Handgruppe 14 RGB(204; 194; 217)	Handgruppe 24 RGB(112; 48; 160)	Handgruppe 34 RGB(253; 235; 221)	Handgruppe 44 RGB(102; 255; 255)
Handgruppe 5 RGB(245; 157; 86)	Handgruppe 15 RGB(255; 192; 0)	Handgruppe 25 RGB(120; 148; 64)	Handgruppe 35 RGB(249; 196; 153)	Handgruppe 45 RGB(127; 127; 127)
Handgruppe 6 RGB(0; 176; 80)	Handgruppe 16 RGB(49; 133; 155)	Handgruppe 26 RGB(217; 150; 144)	Handgruppe 36 RGB(204; 153; 0)	Handgruppe 46 RGB(112; 48; 160)
Handgruppe 7 RGB(153; 255; 153)	Handgruppe 17 RGB(183; 221; 232)	Handgruppe 27 RGB(0; 176; 240)	Handgruppe 37 RGB(235; 241; 223)	Handgruppe 47 RGB(165; 0; 33)
Handgruppe 8 RGB(75; 172; 198)	Handgruppe 18 RGB(255; 153; 255)	Handgruppe 28 RGB(141; 177; 226)	Handgruppe 38 RGB(146; 208; 80)	Handgruppe 48 RGB(255; 51; 153)
Handgruppe 9 RGB(198; 216; 240)	Handgruppe 19 RGB(146; 57; 49)	Handgruppe 29 RGB(165; 165; 165)	Handgruppe 39 RGB(204; 0; 153)	Handgruppe 49 RGB(153; 102; 0)
Handgruppe 10 RGB(120; 148; 64)	Handgruppe 20 RGB(255; 255; 0)	Handgruppe 30 RGB(196; 214; 160)	Handgruppe 40 RGB(80; 99; 42)	Handgruppe 50 RGB(0; 204; 153)

Handgruppe 51 RGB(156; 74; 9)	Handgruppe 61 RGB(126; 100; 158)	Handgruppe 71 RGB(242; 220; 218)	Handgruppe 81 RGB(217; 150; 144)	Handgruppe 91 RGB(255; 255; 0)
Handgruppe 52 RGB(32; 88; 103)	Handgruppe 62 RGB(88; 128; 179)	Handgruppe 72 RGB(127; 127; 127)	Handgruppe 82 RGB(216; 216; 216)	Handgruppe 92 RGB(0; 112; 192)
Handgruppe 53 RGB(204; 153; 255)	Handgruppe 63 RGB(102; 255; 153)	Handgruppe 73 RGB(234; 112; 13)	Handgruppe 83 RGB(255; 102; 0)	Handgruppe 93 RGB(255; 0; 0)
Handgruppe 54 RGB(255; 255; 153)	Handgruppe 64 RGB(204; 194; 217)	Handgruppe 74 RGB(112; 48; 160)	Handgruppe 84 RGB(253; 235; 221)	Handgruppe 94 RGB(102; 255; 255)
Handgruppe 55 RGB(245; 157; 86)	Handgruppe 65 RGB(255; 192; 0)	Handgruppe 75 RGB(120; 148; 64)	Handgruppe 85 RGB(249; 196; 153)	Handgruppe 95 RGB(127; 127; 127)
Handgruppe 56 RGB(0; 176; 80)	Handgruppe 66 RGB(49; 133; 155)	Handgruppe 76 RGB(217; 150; 144)	Handgruppe 86 RGB(204; 153; 0)	Handgruppe 96 RGB(112; 48; 160)
Handgruppe 57 RGB(153; 255; 153)	Handgruppe 67 RGB(183; 221; 232)	Handgruppe 77 RGB(0; 176; 240)	Handgruppe 87 RGB(235; 241; 223)	Handgruppe 97 RGB(165; 0; 33)
Handgruppe 58 RGB(75; 172; 198)	Handgruppe 68 RGB(255; 153; 255)	Handgruppe 78 RGB(141; 177; 226)	Handgruppe 88 RGB(146; 208; 80)	Handgruppe 98 RGB(255; 51; 153)
Handgruppe 59 RGB(198; 216; 240)	Handgruppe 69 RGB(146; 57; 49)	Handgruppe 79 RGB(165; 165; 165)	Handgruppe 89 RGB(204; 0; 153)	Handgruppe 99 RGB(153; 102; 0)
Handgruppe 60 RGB(120; 148; 64)	Handgruppe 70 RGB(255; 255; 0)	Handgruppe 80 RGB(196; 214; 160)	Handgruppe 90 RGB(80; 99; 42)	Handgruppe 100 RGB(0; 204; 153)

Not Halt Bereich 4
Not Halt Bereich 3
Not Halt Bereich 2
Not Halt Bereich 1

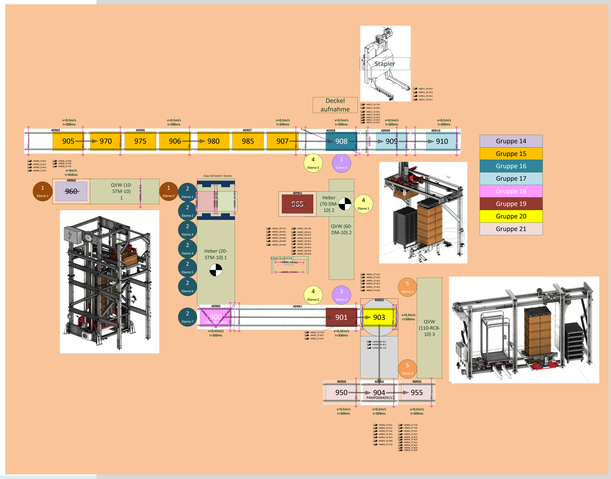
Gruppe 01
Gruppe 02
Gruppe 03
Gruppe 04
Gruppe 05
Gruppe 06
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Gruppe 08
Gruppe 09
Gruppe 10
Gruppe 11
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Gruppe 21
Gruppe 22
Gruppe 23

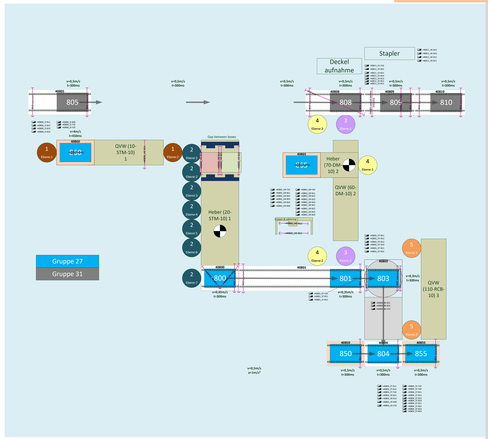
Heber 1
Heber 2
Heber 3
Heber 4
Heber 5
Heber 6

Leerpalettenstich

Handgruppe 1 RGB(156; 74; 9)	Handgruppe 11 RGB(126; 100; 158)	Handgruppe 21 RGB(242; 220; 218)	Handgruppe 31 RGB(217; 150; 144)	Handgruppe 41 RGB(255; 255; 0)
Handgruppe 2 RGB(32; 88; 103)	Handgruppe 12 RGB(88; 128; 179)	Handgruppe 22 RGB(127; 127; 127)	Handgruppe 32 RGB(216; 216; 216)	Handgruppe 42 RGB(0; 112; 192)
Handgruppe 3 RGB(204; 153; 255)	Handgruppe 13 RGB(102; 255; 153)	Handgruppe 23 RGB(234; 112; 13)	Handgruppe 33 RGB(255; 102; 0)	Handgruppe 43 RGB(255; 0; 0)
Handgruppe 4 RGB(255; 255; 153)	Handgruppe 14 RGB(204; 194; 217)	Handgruppe 24 RGB(112; 48; 160)	Handgruppe 34 RGB(253; 235; 221)	Handgruppe 44 RGB(102; 255; 255)
Handgruppe 5 RGB(245; 157; 86)	Handgruppe 15 RGB(255; 192; 0)	Handgruppe 25 RGB(120; 148; 64)	Handgruppe 35 RGB(249; 196; 153)	Handgruppe 45 RGB(127; 127; 127)
Handgruppe 6 RGB(0; 176; 80)	Handgruppe 16 RGB(49; 133; 155)	Handgruppe 26 RGB(217; 150; 144)	Handgruppe 36 RGB(204; 153; 0)	Handgruppe 46 RGB(112; 48; 160)
Handgruppe 7 RGB(153; 255; 153)	Handgruppe 17 RGB(183; 221; 232)	Handgruppe 27 RGB(0; 176; 240)	Handgruppe 37 RGB(235; 241; 223)	Handgruppe 47 RGB(165; 0; 33)
Handgruppe 8 RGB(75; 172; 198)	Handgruppe 18 RGB(255; 153; 255)	Handgruppe 28 RGB(141; 177; 226)	Handgruppe 38 RGB(146; 208; 80)	Handgruppe 48 RGB(255; 51; 153)
Handgruppe 9 RGB(198; 216; 240)	Handgruppe 19 RGB(146; 57; 49)	Handgruppe 29 RGB(165; 165; 165)	Handgruppe 39 RGB(204; 0; 153)	Handgruppe 49 RGB(153; 102; 0)
Handgruppe 10 RGB(120; 148; 64)	Handgruppe 20 RGB(255; 255; 0)	Handgruppe 30 RGB(196; 214; 160)	Handgruppe 40 RGB(80; 99; 42)	Handgruppe 50 RGB(0; 204; 153)

Handgruppe 51 RGB(156; 74; 9)	Handgruppe 61 RGB(126; 100; 158)	Handgruppe 71 RGB(242; 220; 218)	Handgruppe 81 RGB(217; 150; 144)	Handgruppe 91 RGB(255; 255; 0)
Handgruppe 52 RGB(32; 88; 103)	Handgruppe 62 RGB(88; 128; 179)	Handgruppe 72 RGB(127; 127; 127)	Handgruppe 82 RGB(216; 216; 216)	Handgruppe 92 RGB(0; 112; 192)
Handgruppe 53 RGB(204; 153; 255)	Handgruppe 63 RGB(102; 255; 153)	Handgruppe 73 RGB(234; 112; 13)	Handgruppe 83 RGB(255; 102; 0)	Handgruppe 93 RGB(255; 0; 0)
Handgruppe 54 RGB(255; 255; 153)	Handgruppe 64 RGB(204; 194; 217)	Handgruppe 74 RGB(112; 48; 160)	Handgruppe 84 RGB(253; 235; 221)	Handgruppe 94 RGB(102; 255; 255)
Handgruppe 55 RGB(245; 157; 86)	Handgruppe 65 RGB(255; 192; 0)	Handgruppe 75 RGB(120; 148; 64)	Handgruppe 85 RGB(249; 196; 153)	Handgruppe 95 RGB(127; 127; 127)
Handgruppe 56 RGB(0; 176; 80)	Handgruppe 66 RGB(49; 133; 155)	Handgruppe 76 RGB(217; 150; 144)	Handgruppe 86 RGB(204; 153; 0)	Handgruppe 96 RGB(112; 48; 160)
Handgruppe 57 RGB(153; 255; 153)	Handgruppe 67 RGB(183; 221; 232)	Handgruppe 77 RGB(0; 176; 240)	Handgruppe 87 RGB(235; 241; 223)	Handgruppe 97 RGB(165; 0; 33)
Handgruppe 58 RGB(75; 172; 198)	Handgruppe 68 RGB(255; 153; 255)	Handgruppe 78 RGB(141; 177; 226)	Handgruppe 88 RGB(146; 208; 80)	Handgruppe 98 RGB(255; 51; 153)
Handgruppe 59 RGB(198; 216; 240)	Handgruppe 69 RGB(146; 57; 49)	Handgruppe 79 RGB(165; 165; 165)	Handgruppe 89 RGB(204; 0; 153)	Handgruppe 99 RGB(153; 102; 0)
Handgruppe 60 RGB(120; 148; 64)	Handgruppe 70 RGB(255; 255; 0)	Handgruppe 80 RGB(196; 214; 160)	Handgruppe 90 RGB(80; 99; 42)	Handgruppe 100 RGB(0; 204; 153)





SAFETY AREA 1
SAFETY AREA 2
SAFETY AREA 3
SAFETY AREA 4

ID - 1
Gruppe 10
Gruppe 11
Gruppe 12
Gruppe 13
Gruppe 02
Gruppe 03
Gruppe 07
Gruppe 28
Gruppe 29
Gruppe 30
Gruppe 26
Gruppe 27
Gruppe 22
Gruppe 23

ID - 2
Gruppe 04
Gruppe 05
Gruppe 06
Gruppe 07
Gruppe 14
Gruppe 15
Gruppe 16
Gruppe 17
Gruppe 18
Gruppe 19
Gruppe 20
Gruppe 21
Gruppe 26
Gruppe 27
Gruppe 24
Gruppe 25
Gruppe 08
Gruppe 12
Gruppe 01

ID – 3
Gruppe 26
Gruppe 27
Gruppe 31

ID – 9
Gruppe 01
Gruppe 04
Gruppe 05
Gruppe 06
Gruppe 07
Gruppe 08
Gruppe 14
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Gruppe 19
Gruppe 20
Gruppe 21
Gruppe 28
Gruppe 29
Gruppe 30
Gruppe 24
Gruppe 25

Handgruppe 1 RGB(156; 74; 9)	Handgruppe 11 RGB(126; 100; 158)	Handgruppe 21 RGB(242; 220; 218)	Handgruppe 31 RGB(127; 127; 127)	Handgruppe 41 RGB(255; 255; 0)
Handgruppe 2 RGB(32; 88; 103)	Handgruppe 12 RGB(234; 112; 13)	Handgruppe 22 RGB(127; 127; 127)	Handgruppe 32 RGB(216; 216; 216)	Handgruppe 42 RGB(0; 112; 192)
Handgruppe 3 RGB(204; 153; 255)	Handgruppe 13 RGB(255; 102; 153)	Handgruppe 23 RGB(234; 112; 13)	Handgruppe 33 RGB(255; 102; 0)	Handgruppe 43 RGB(255; 0; 0)
Handgruppe 4 RGB(255; 255; 153)	Handgruppe 14 RGB(204; 194; 217)	Handgruppe 24 RGB(112; 48; 160)	Handgruppe 34 RGB(253; 235; 221)	Handgruppe 44 RGB(102; 255; 255)
Handgruppe 5 RGB(245; 157; 86)	Handgruppe 15 RGB(255; 192; 0)	Handgruppe 25 RGB(120; 148; 64)	Handgruppe 35 RGB(249; 196; 153)	Handgruppe 45 RGB(127; 127; 127)
Handgruppe 6 RGB(0; 176; 80)	Handgruppe 16 RGB(49; 133; 155)	Handgruppe 26 RGB(217; 150; 144)	Handgruppe 36 RGB(204; 153; 0)	Handgruppe 46 RGB(112; 48; 160)
Handgruppe 7 RGB(153; 255; 153)	Handgruppe 17 RGB(183; 221; 232)	Handgruppe 27 RGB(0; 176; 240)	Handgruppe 37 RGB(235; 241; 223)	Handgruppe 47 RGB(165; 0; 33)
Handgruppe 8 RGB(75; 172; 198)	Handgruppe 18 RGB(255; 153; 255)	Handgruppe 28 RGB(141; 177; 226)	Handgruppe 38 RGB(146; 208; 80)	Handgruppe 48 RGB(255; 51; 153)
Handgruppe 9 RGB(198; 216; 240)	Handgruppe 19 RGB(146; 57; 49)	Handgruppe 29 RGB(165; 165; 165)	Handgruppe 39 RGB(204; 0; 153)	Handgruppe 49 RGB(153; 102; 0)
Handgruppe 10 RGB(120; 148; 64)	Handgruppe 20 RGB(255; 255; 0)	Handgruppe 30 RGB(196; 214; 160)	Handgruppe 40 RGB(80; 99; 42)	Handgruppe 50 RGB(0; 204; 153)

Handgruppe 51 RGB(156; 74; 9)	Handgruppe 61 RGB(126; 100; 158)	Handgruppe 71 RGB(242; 220; 218)	Handgruppe 81 RGB(217; 150; 144)	Handgruppe 91 RGB(255; 255; 0)
Handgruppe 52 RGB(32; 88; 103)	Handgruppe 62 RGB(88; 128; 179)	Handgruppe 72 RGB(127; 127; 127)	Handgruppe 82 RGB(216; 216; 216)	Handgruppe 92 RGB(0; 112; 192)
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Handgruppe 54 RGB(255; 255; 153)	Handgruppe 64 RGB(204; 194; 217)	Handgruppe 74 RGB(112; 48; 160)	Handgruppe 84 RGB(253; 235; 221)	Handgruppe 94 RGB(102; 255; 255)
Handgruppe 55 RGB(245; 157; 86)	Handgruppe 65 RGB(255; 192; 0)	Handgruppe 75 RGB(120; 148; 64)	Handgruppe 85 RGB(249; 196; 153)	Handgruppe 95 RGB(127; 127; 127)
Handgruppe 56 RGB(0; 176; 80)	Handgruppe 66 RGB(49; 133; 155)	Handgruppe 76 RGB(217; 150; 144)	Handgruppe 86 RGB(204; 153; 0)	Handgruppe 96 RGB(112; 48; 160)
Handgruppe 57 RGB(153; 255; 153)	Handgruppe 67 RGB(183; 221; 232)	Handgruppe 77 RGB(0; 176; 240)	Handgruppe 87 RGB(235; 241; 223)	Handgruppe 97 RGB(165; 0; 33)
Handgruppe 58 RGB(75; 172; 198)	Handgruppe 68 RGB(255; 153; 255)	Handgruppe 78 RGB(141; 177; 226)	Handgruppe 88 RGB(146; 208; 80)	Handgruppe 98 RGB(255; 51; 153)
Handgruppe 59 RGB(198; 216; 240)	Handgruppe 69 RGB(146; 57; 49)	Handgruppe 79 RGB(165; 165; 165)	Handgruppe 89 RGB(204; 0; 153)	Handgruppe 99 RGB(153; 102; 0)
Handgruppe 60 RGB(120; 148; 64)	Handgruppe 70 RGB(255; 255; 0)	Handgruppe 80 RGB(196; 214; 160)	Handgruppe 90 RGB(80; 99; 42)	Handgruppe 100 RGB(0; 204; 153)