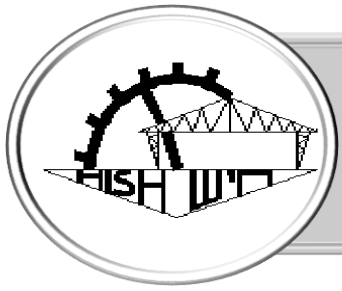


HISH MaxiStore

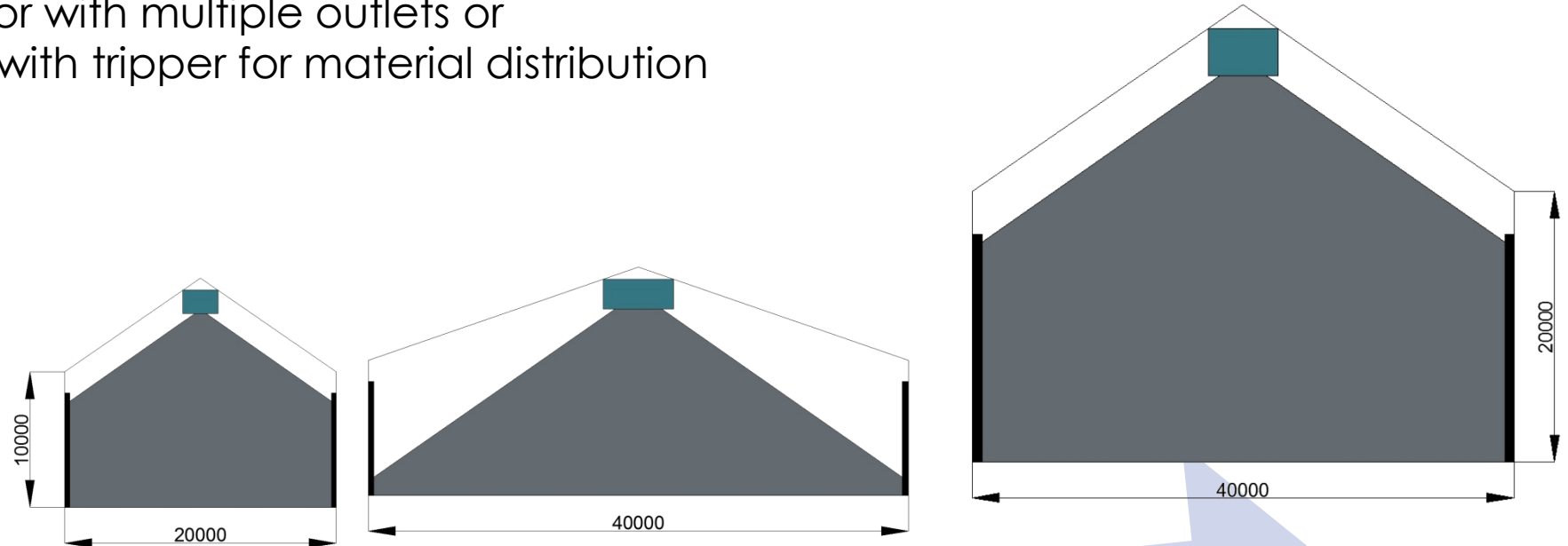


Celebrating more than 70 years- since 1945



MaxiStore[®] Bridge Distribution System Operating Parameters ...

- Chain conveyor with multiple outlets or
- Belt conveyor with tripper for material distribution

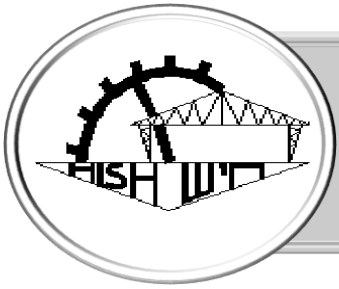


Inefficient Use of
Space and Money

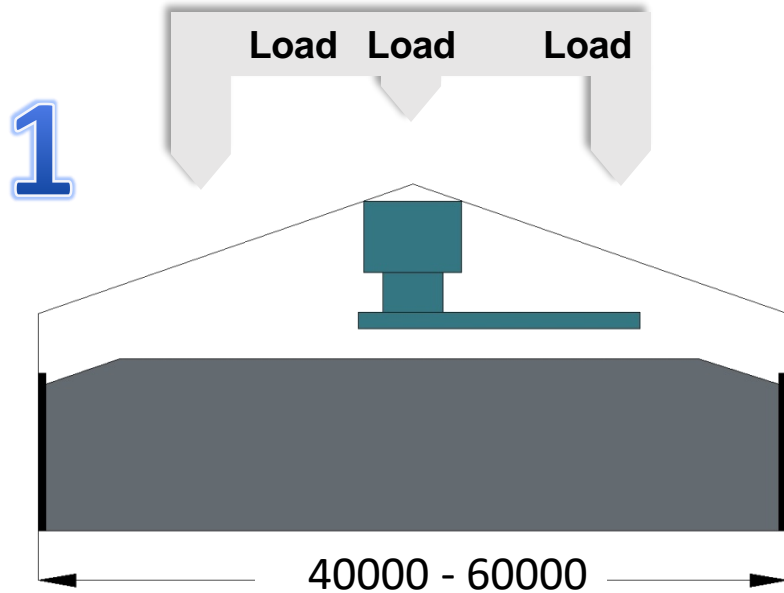
Incorrect Space
Utilisation

Very Expensive
Building

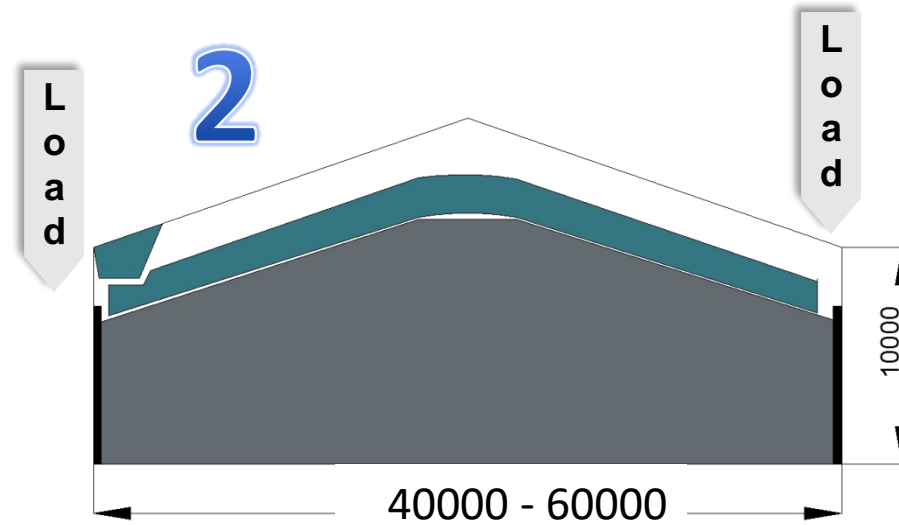
Increasing Storage Capacity



MaxiStore® Bridge Distribution System Correct Storage & System Selection ...

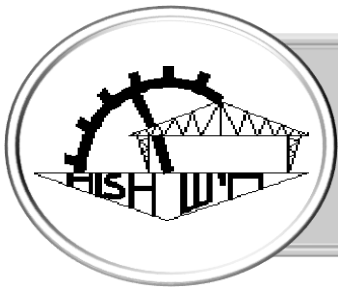


Belt conveyor with a shuttle cross conveyor



MaxiStore® operating with a reversing shuttle conveyor

	1	2
Mechanical Cost	Medium	High
Civil Cost	High	Low
Total Cost	High	Medium



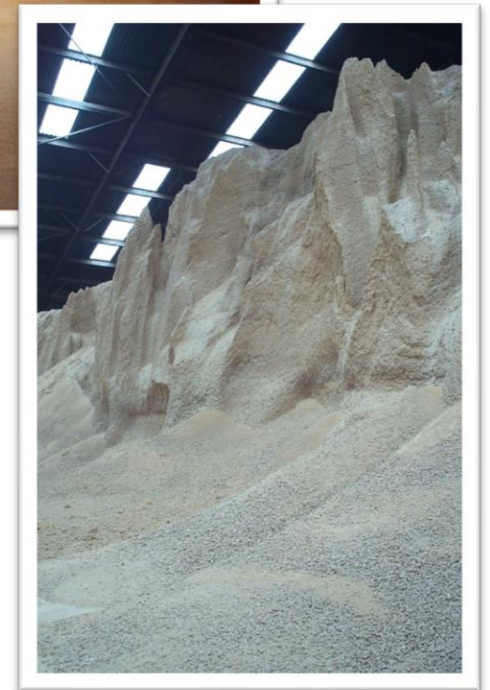
MaxiStore® Bridge Distribution System Operating Parameters ...

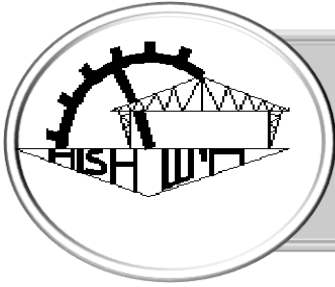
High capacity loading &
high volume turnover
within the store

Loading of different
types and quantities
of material

Requires storage of
material in continuous
or segregated areas

Materials have characteristics
that makes reclaiming from silo
storage challenging

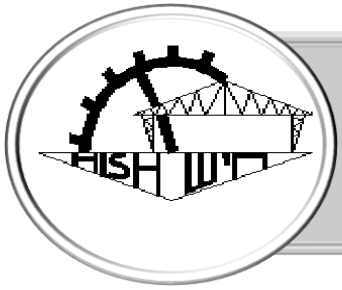




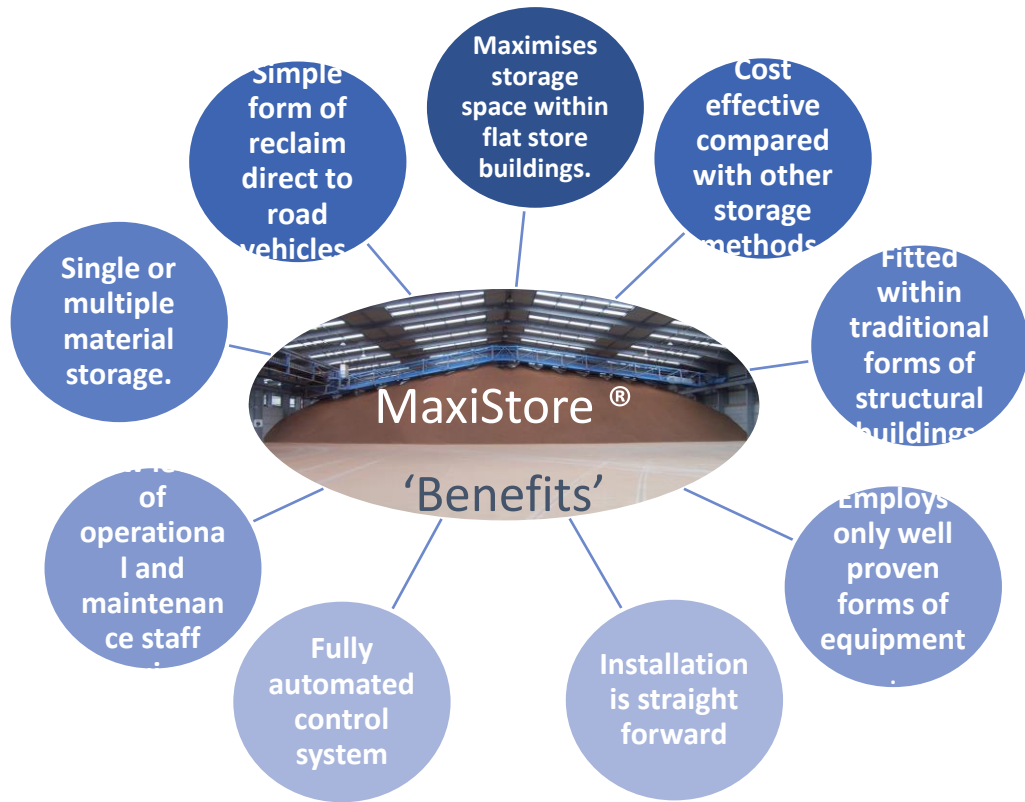
Operating Parameters ...

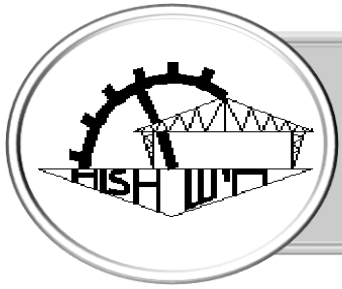
- Automated store filling
- Shuttle & MaxiStore® working together
- Smooth & continuous material discharge
- Fill & Spill conveying of material to give even discharge & loading
- Full utilization of space & controlled discharge where slides in operation on outlets to assist with the reclaim operation





MaxiStore[®] Bridge Distribution System Benefits ...





MaxiStore[®] Bridge Distribution System System Overview ...

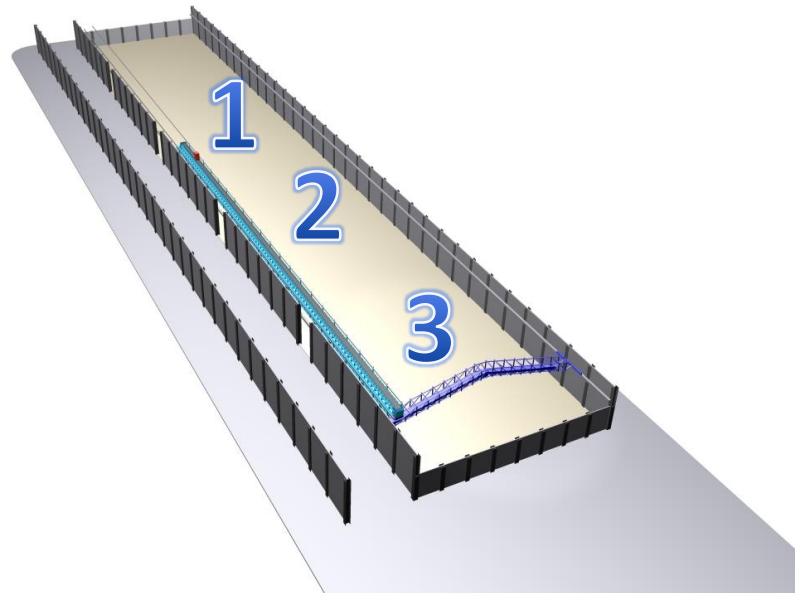
1. System inlet



2. Reversing shuttle belt conveyor



3. MaxiStore[®] bridge distribution conveyor



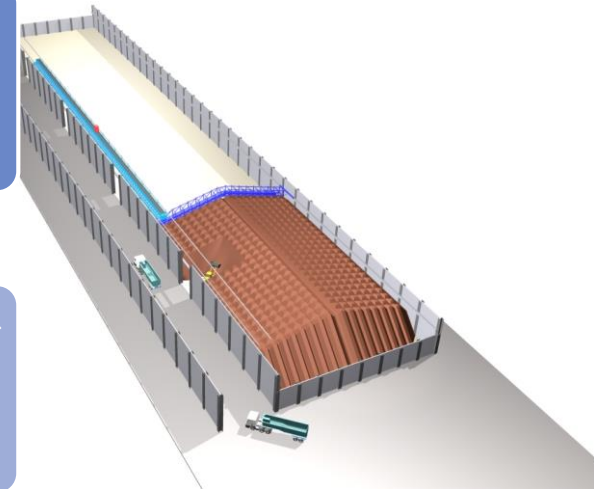
The en-masse conveyor is fitted with multiple outlets (some with slide gates)

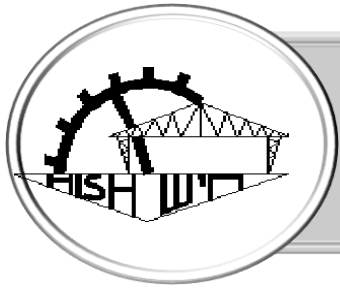


When material builds up it blocks the outlet & allows material to reach the next outlet



Upon reaching the final conveyor outlet the probe operates & the bridge automatically moves forward





MaxiStore® Bridge Distribution System Storage System Operation ...

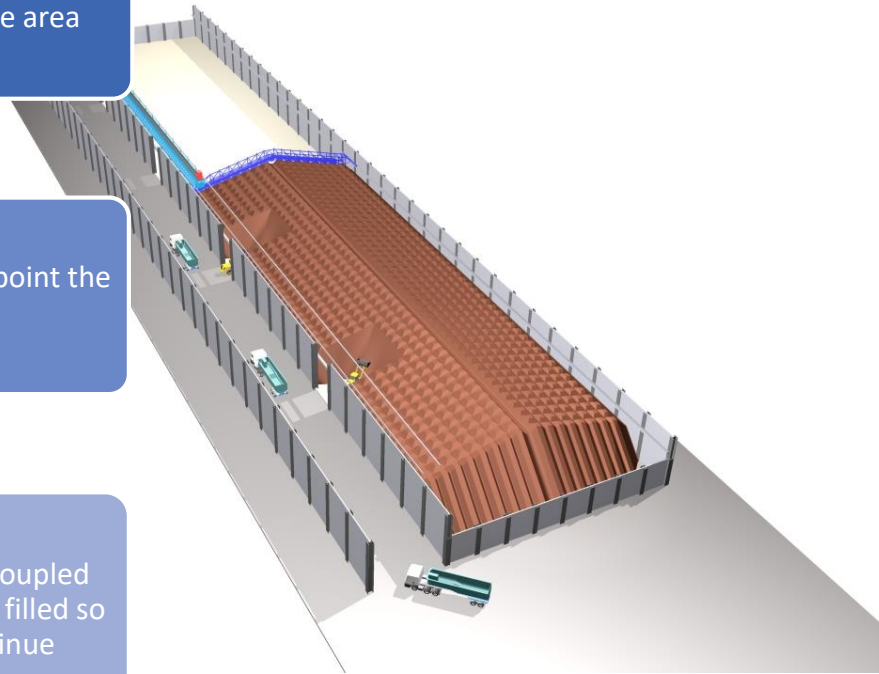
The MaxiStore® continues to load efficiently down the storage area



Upon reaching the inlet feed point the system stops



The shuttle conveyor is un-coupled when half the store has been filled so that the process can continue



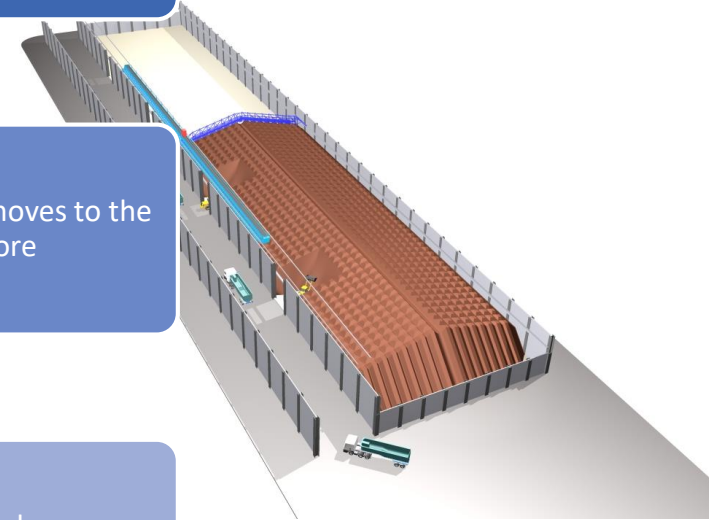
The un-coupled shuttle conveyor discharges its material

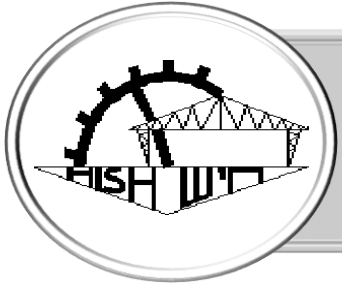


The shuttle conveyor then moves to the other end of the store



This whole operation can be done on an automatic & controlled basis





MaxiStore[®] Bridge Distribution System System Overview ...

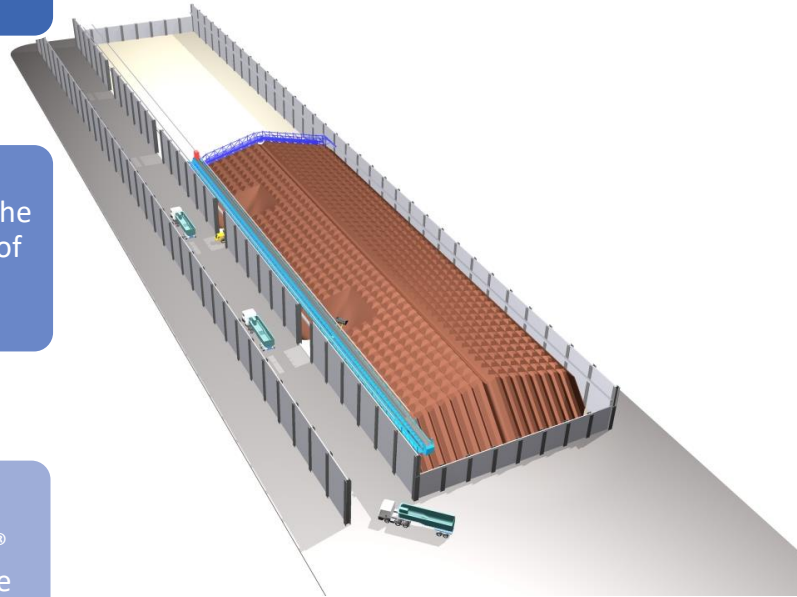
The belt direction of the shuttle conveyor reverses



The conveyor is then re-coupled at the other end to allow the second half of the building to be filled



Once reconnected the MaxiStore[®] loading operation can recommence



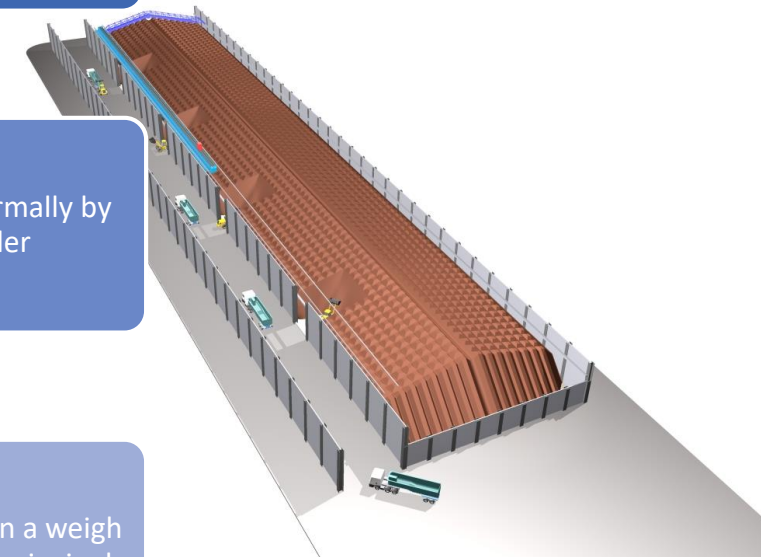
Reclaim of material through the doorways left by the MaxiStore[®]

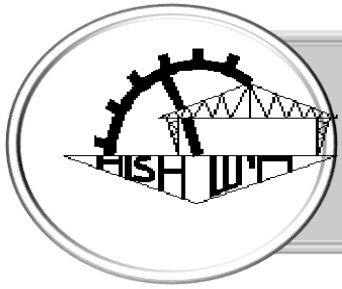


Material reclaim normally by front end loader



Discharge to trucks on a weigh bridge weigh in/out principal





MaxiStore[®] Bridge Distribution System System Overview – Shuttle

- New building or Existing building
- MaxiStore[®] operating with reversing shuttle belt conveyor



- Controlled by a festoon cable arrangement along its positional length
- Fed centrally from the storage building intake system
- Automated control whilst operating with the MaxiStore[®]

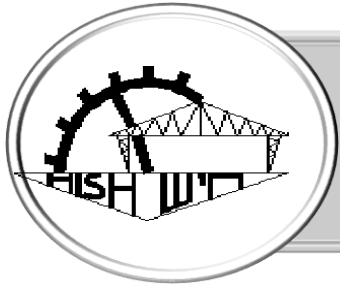


- Existing building
- Building structure does not allow use of shuttle arrangement
- MaxiStore[®] operating with low level belt conveyor & travelling tripper carriage

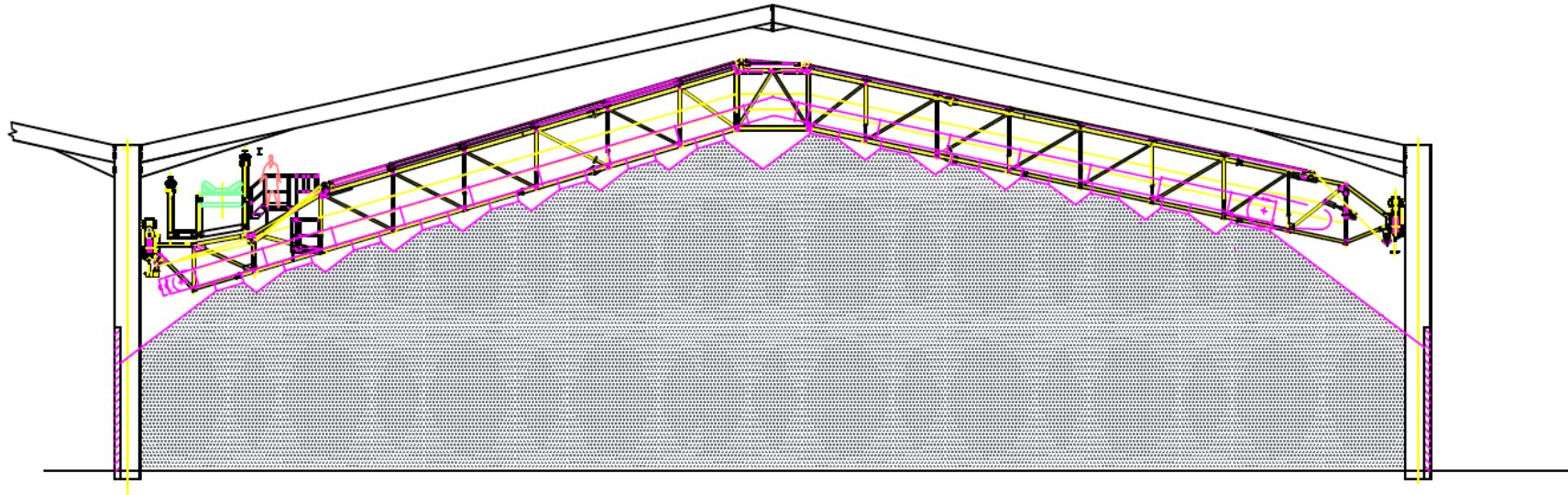


- Located in the eaves of the flat store
- Designed to operate in two directions
- Runs on a rail arrangement which is part of the building steelwork

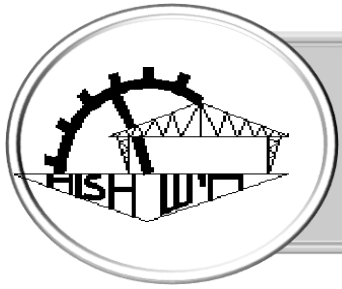




System Overview – System Concept ...

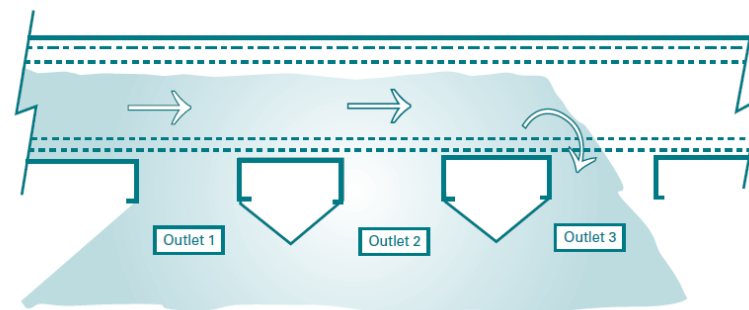
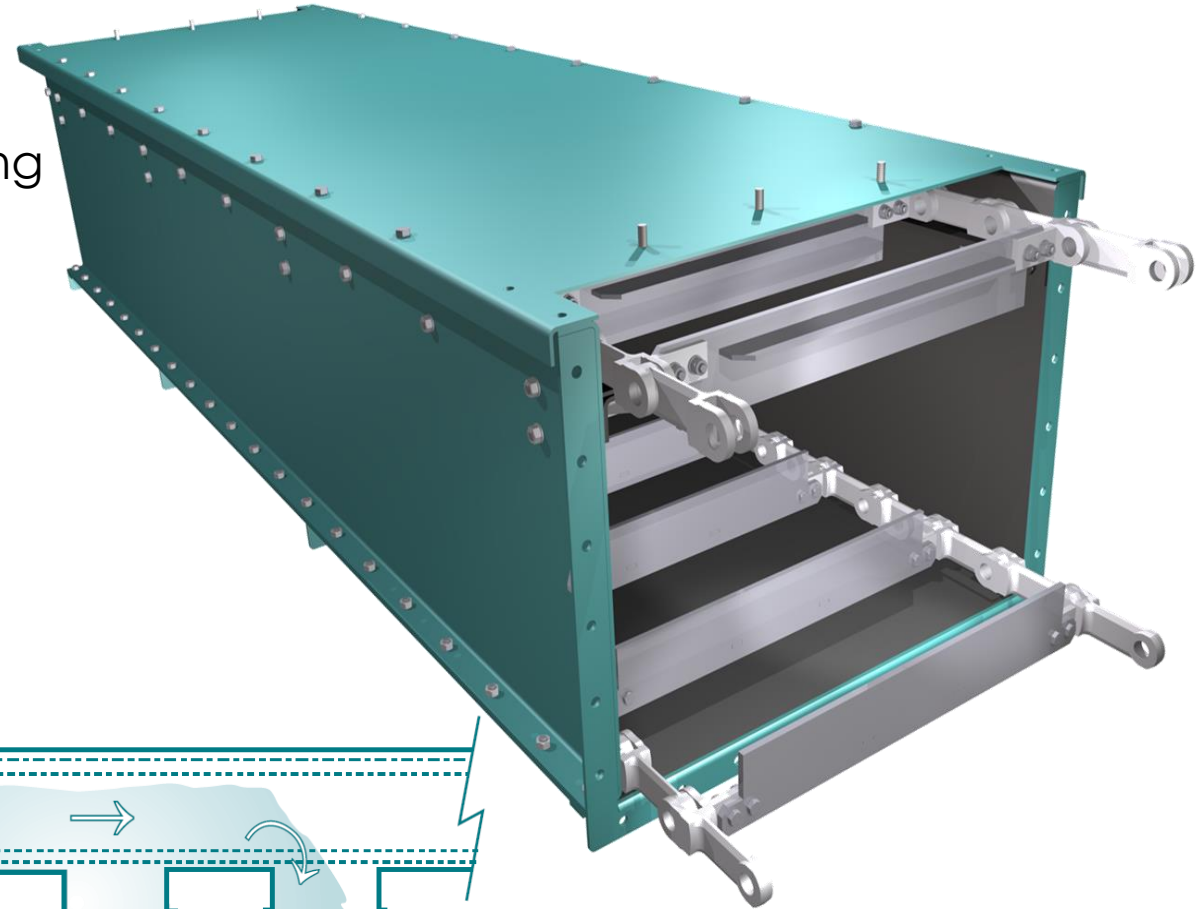


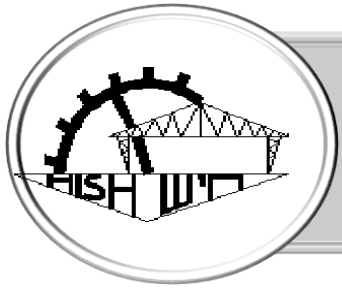
Space utilization during the loading process



System Overview – Bridge Chain Conveyor ...

- Redler ® heavy duty drop Forged chain and casing
- En masse conveying principal
- Multiple outlets/slides
- Fill & spill arrangement



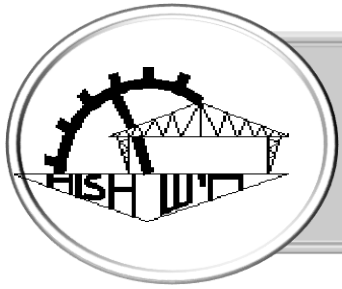


System Design & Installation ...



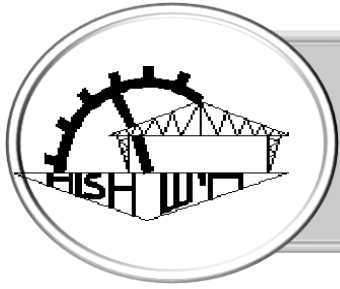
Controlled safe & successful installation of
the MaxiStore





MaxiStore[®] Bridge Distribution System Installed System - Segregated Material Storage





HISH Contact details

Thank you for your time

We hope that you have found this presentation of interest and assistance



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