Skyfall
Fashion / Retail

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Future oriented distribution logistic for manufacturer of design labels

Challenge / Project goal

- Separation and Processing of large varity of hangers (shape)
- Efficient system design - layout spread over 5 levels
- Automatic loading and unloading of garments on hangers (GOH)
- Increased volume of order handling

Scope of delivery and performance

- 67'500 Skyfall shuttles "type M" with eyelet for GOH
- 1'400m Sky-Train driven circulation conveyor (v = 0.75m/s)
- 3 GOH automatic screw hanger singulator induction stations (approx. 3'500 GOH/h per station)
- Primary buffers (total capacity up to 60'000 GOH)
- Sub-wave buffer (total capacity up to 1'500 GOH)
- 6^3 Matrix Sorter (Random to Sequence)
- 3 PANDA (Print and Apply) stations
- 2 VAS (Value Added Services) stations
- 3 automatic unloading and pack stations

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Customer details

- Peerless Clothing, Inc. (founded in 1919)
- Largest manufacturer of men's and boys' tailored clothing in North America
- Supplying most major department and specialty stores in the United Stated with leading brands
- Impressive portfolio of designer laberls
- Headoffice in Montreal, Canada
- Warehouse capacity of 3.8 Mio items in St. Albans VT (USA)

PEERLESS CLOTHING INTERNATIONAL

Solution / Result

- Installation: 2'255m Skyfall conveying technology
- Speed: 0.75 m/s
- Performance: max. 10'500 GOH/h
- Barcode identification of shuttles and loaded items
- Load capacity: 2.3 kg
- Year of installation: 2019
- System integrator: SDI Systems, Pacoima CA (USA)

Reason Why

- Short engineering and installation period
- Significant increase of capacity
- Best use of space
- Low energy and operating costs
  due to proven conveying technology