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HONEYWELL TRANSNORM PARTNER ACADEMY

Cut Costs and Boost Efficiency in Midrate Sortation

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Meet the Experts

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Martin Baisch
Honeywell Transnorm

Global Sales Director

Henning Schock
Honeywell Transnorm

Sr. Product Manager

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Agenda

1. Cost-effective alternative to mid-rate line sorter (4,000 -8,000/h)
2. Flexibility in extension and space constrained layouts
3. SmartSort® Evolution (TS4800 Solutions)
4. Our Commitment to Your Success
5. Q&A

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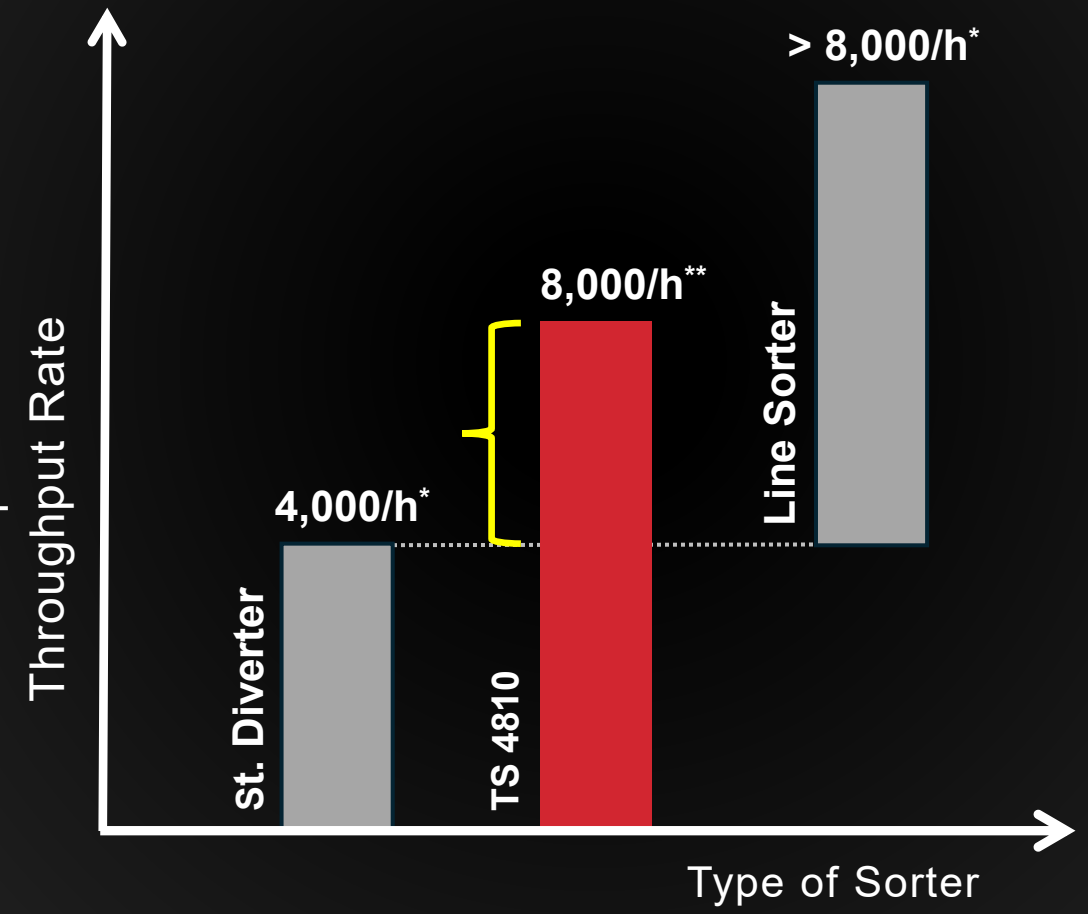
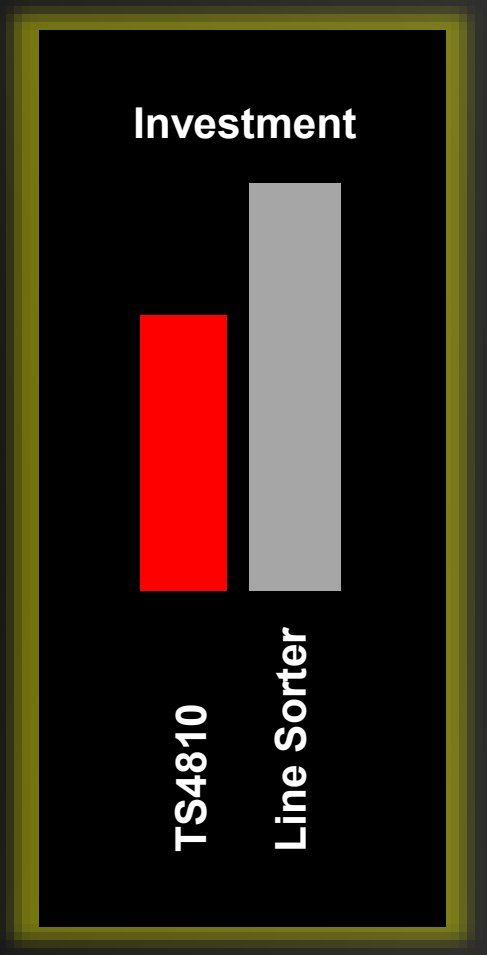
Sortation Solution by Throughput Rate





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* Average industry standard throughput rate for device type.

** Honeywell, "Honeywell Transnorm Sorting Solutions" [Accessed Sep 10, 2025]. Each project is unique and therefore throughput rates may vary between sites and implementations, depending on numerous factors.

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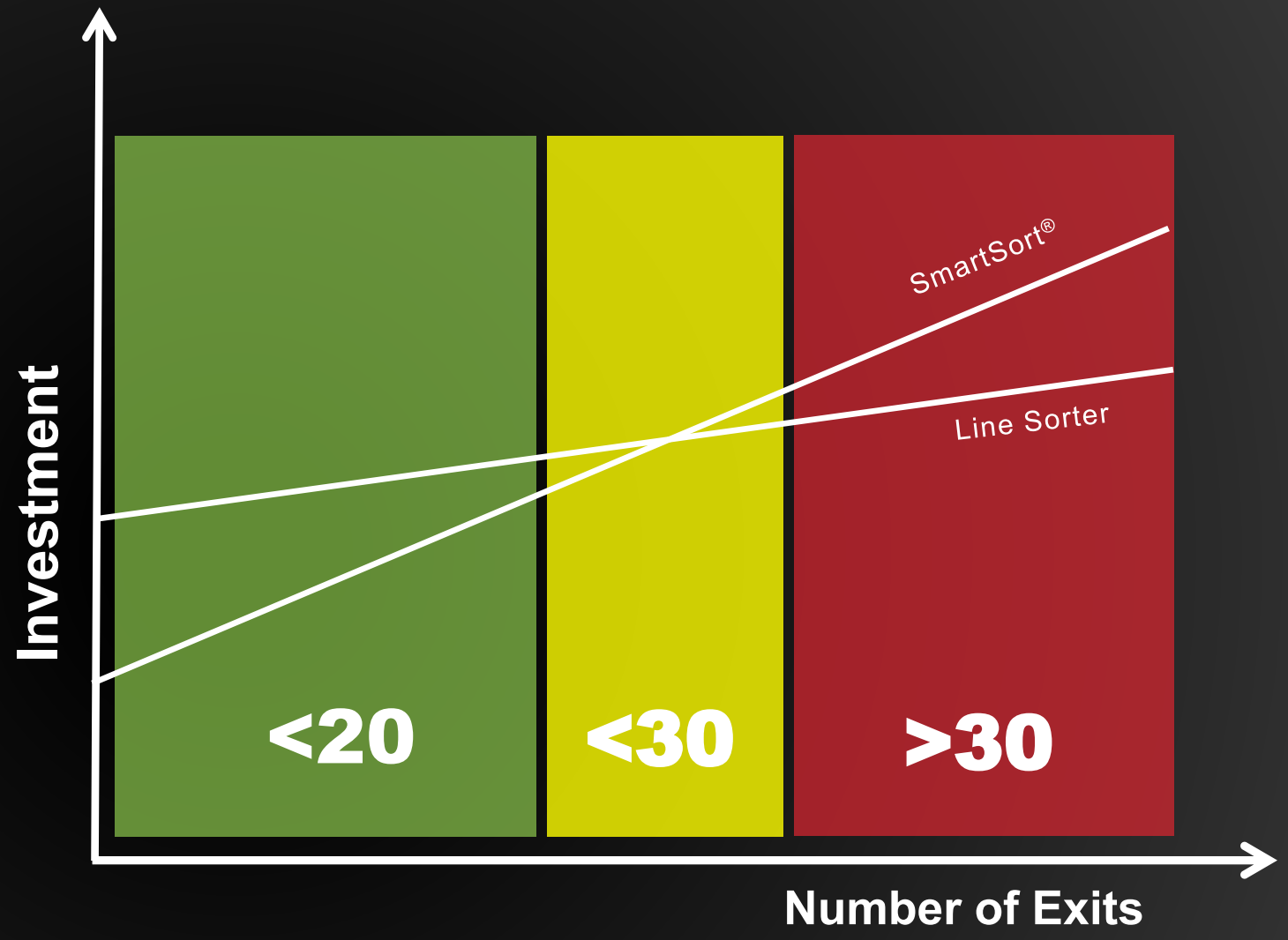
Sortation Solution by Number of Exits



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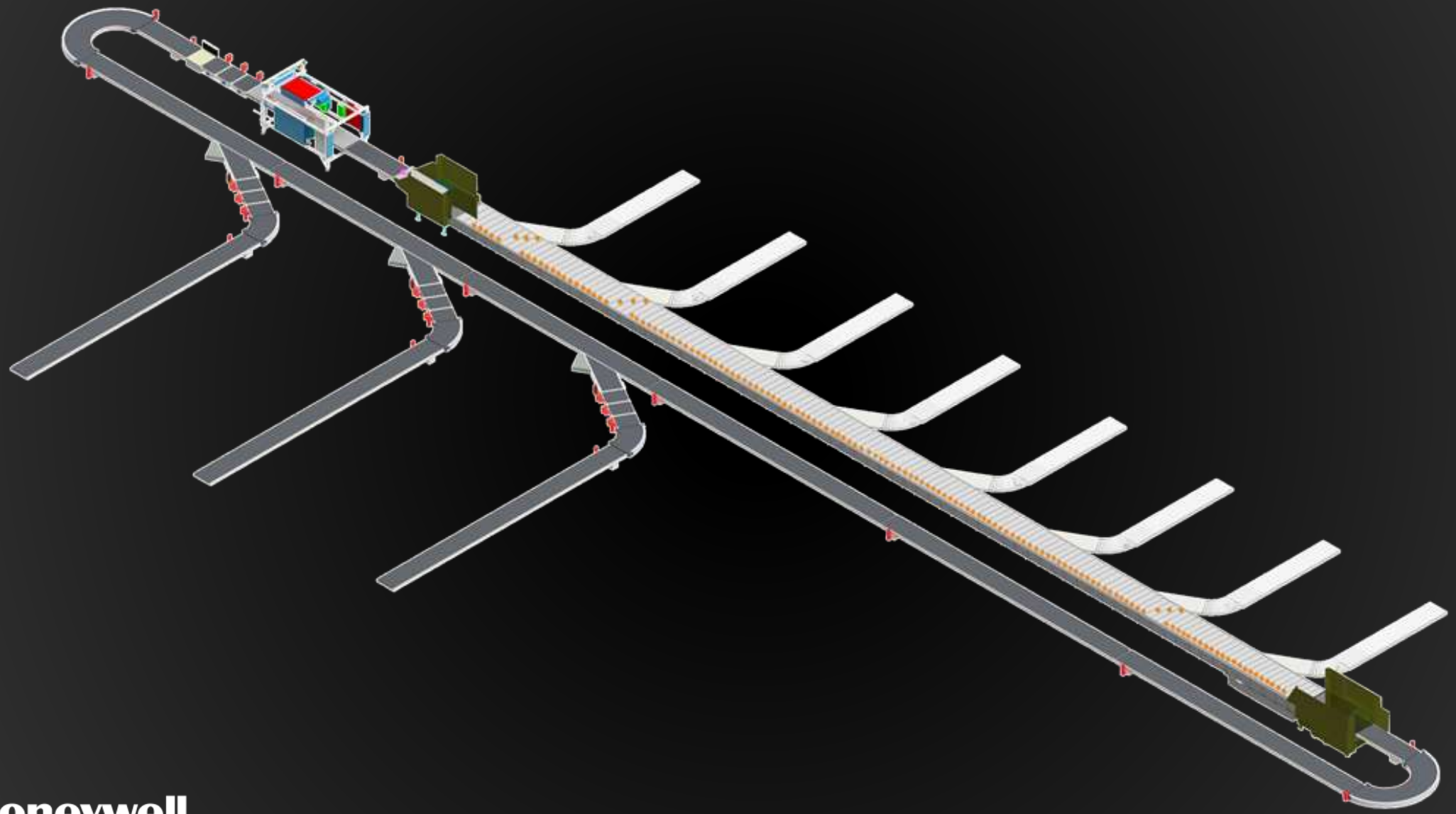

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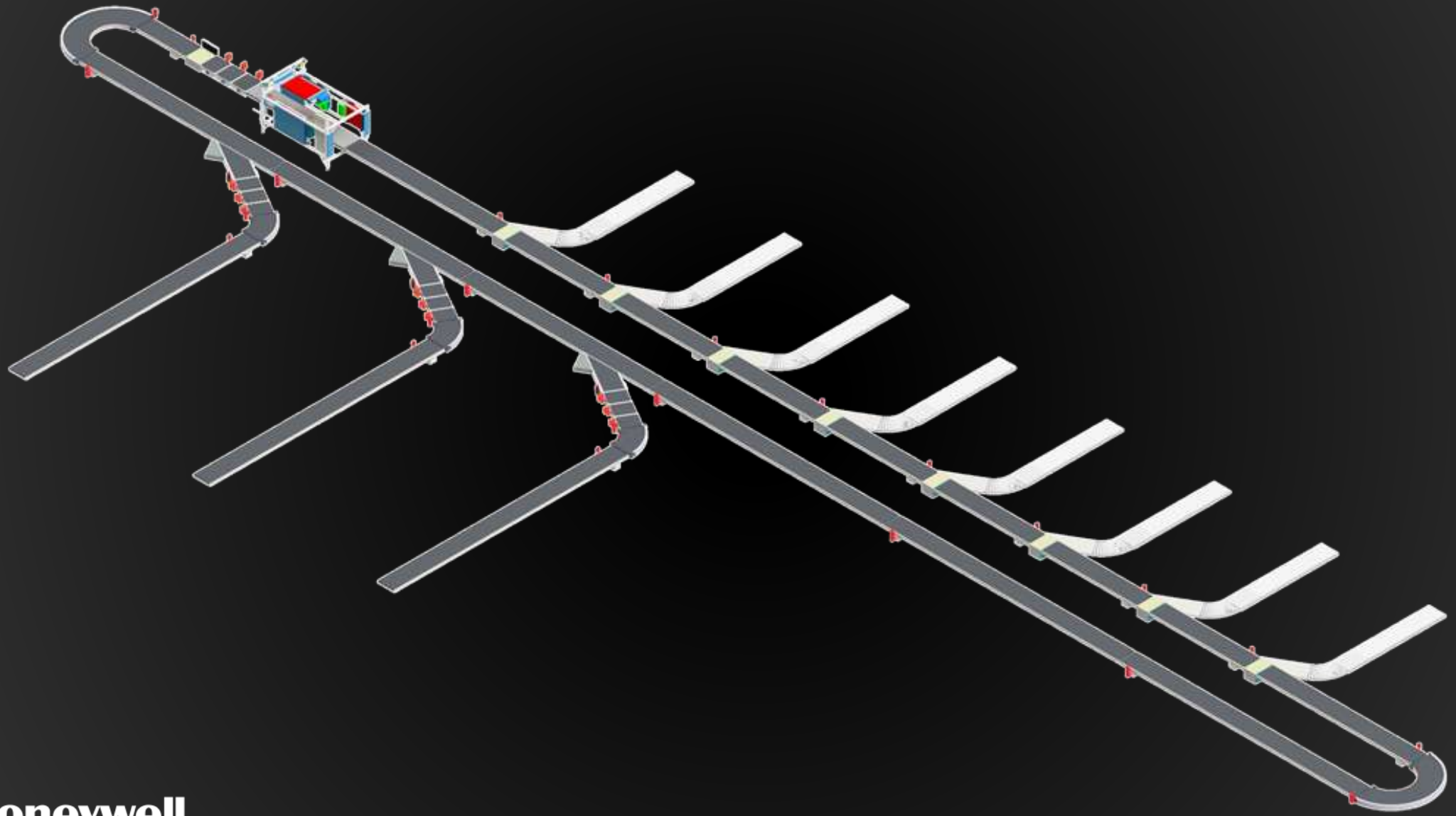

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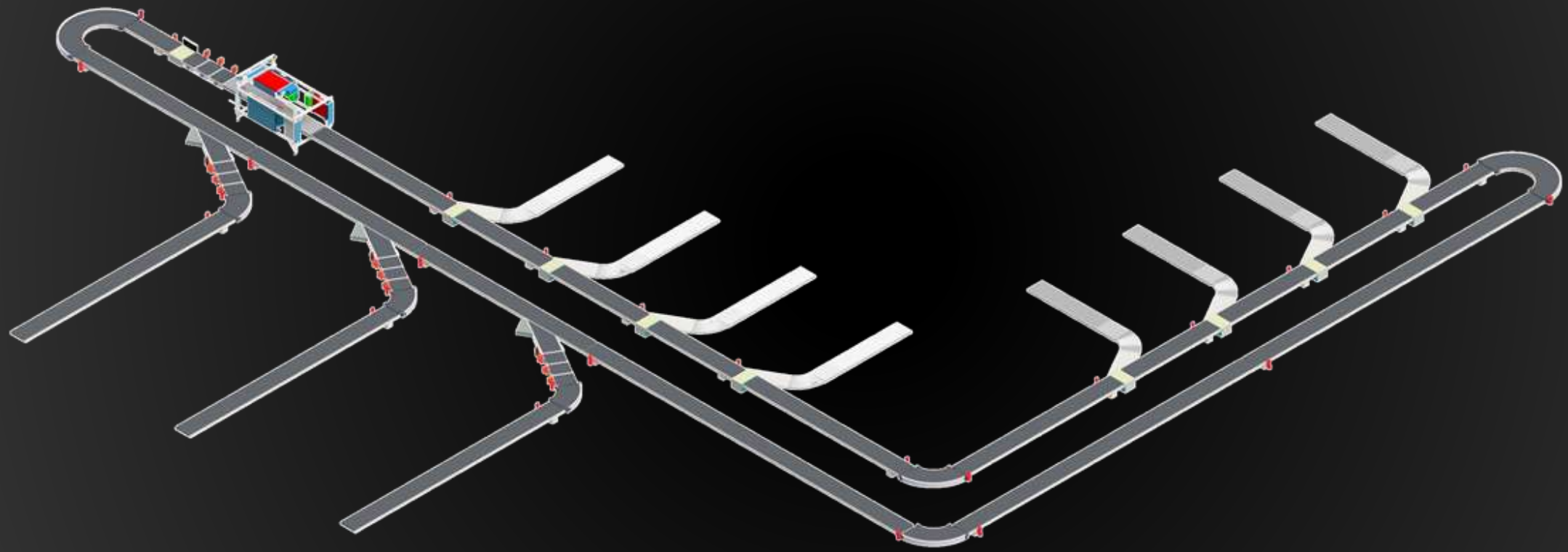

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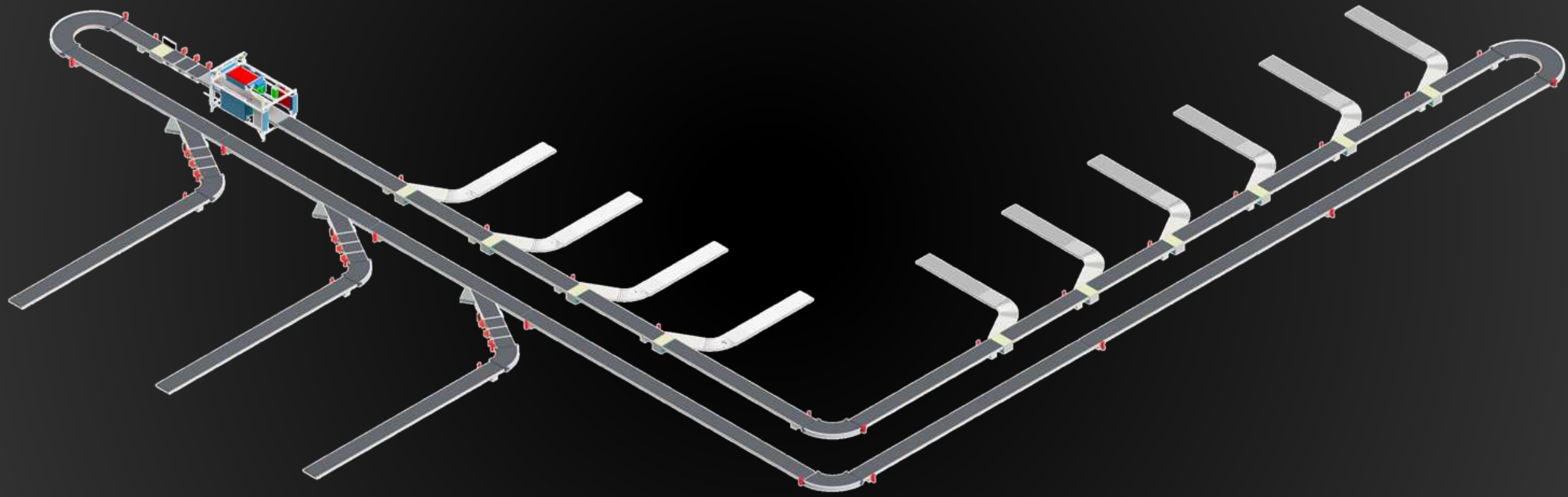

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Our Commitment to Your Success

Support We Offer

- Data sheets / documentation
- Simplified layout models (STEP files)
- Layout planning assistance
- Performance calculation
- Sorter system design
- Electrical installation instructions
- Operating and maintenance manual
- Spare parts list (RSPL)
- Electrical installation

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Q&A

- *“For which material to be handled are those diverters suitable?”*

  We have experience with a wide range of conveyed goods. These include carton boxes, plastic totes, trays, envelopes, polybags and tires. Even strapped stacks of newspapers have already been tested and proven to be conveyable. We achieve the best results with dimensionally stable conveyed goods with a flat underside.

- *“If the swivel angle varies from -45 to +45 does that mean there is no 90 degrees divert possibility?*”

  90° swivel angles do not play a major role in midrate sorting (4000 - 8000 units/hour) due to required speeds. SmartSort solutions will soon be available for lower performance and speeds. A 90° exit while maintaining the orientation (short side leading) can also be achieved with a 45° or 60° swivel angle.

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Q&A

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- *“Are there limitations for polybags and returned items?”*

  We have to distinguish between conveyable and non conveyable goods. Of course, physical limits also apply to our SmartSort technology. However, we were able to move these a little thanks to a small pitch and wheels with high grip. For special or critical conveyed goods, we offer our partners the opportunity to test them in advance and release suitable configurations.

- *“Do you have any device like TS4810 but for 90°?”*

  For the sortation of carton boxes and plastic totes in the lower performance range, we offer a lifting roller diverter (TS 2733) for 90° sortation. This is suitable for throughput in the range of 1000 - 2000 units per hour. It is based on MDR technology and is not a member of the SmartSort family.

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Q&A

- *“Is there bus (Ethernet / Profinet) connectivity available?”*

  Drives for conveying and the high-performance swivel drives are available with a fieldbus interface. These include ProfiBus, EtherNet IP and EtherCAT.

- *“Can you tell me something about the products the units can handle, like maximum weights, can the unit handle parcel bags and stackable totes with flange?*”

  The units are designed for weights of up to 50 kg/m. In the case of the conveyed goods mentioned, which are known to be critical, the transportability and sortation depend on many factors. We are happy to test these if required and release suitable configurations.

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- *“What is the smallest package that can be handled?”*

  Packages with a floor area of 100 x 100 mm or more have been tested and released as standard. Customer tests show that even smaller conveyed goods down to the size of a business card can be removed with high reliability thanks to our small roller pitch.

- *“If the swivel angle varies from -45 to +45, why can’t I use the TS 4800C as double sided?*”

  The TS 4800C was designed as a single-sided sorter with excellent maintainability. One advantage is the lateral, external, clearly visible and accessible drive train. This advantage is lost if the discharge is carried out on both sides. If that aspect is taken into consideration from the start of the planning phase, double-sided usage is certainly possible in special cases.

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Q&A

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- *“Can we use it also in Baggage handling systems to divert baggage?”*

  Its use in Baggage Handling Systems is certainly conceivable, and, in our opinion, promising, but has not yet been sufficiently tested.

- *“What are the main differences between this and a shoesorter/ crossbelt, from a cost perspective?*”

  A classic sorter has high basic costs due to its design. That is not the case with our solution (short execution = low investment costs). As the length or number of end points increases, the high basic costs of the classic sorter are put into perspective, while the costs of the SmartSort solution as a total package (mechanics and control) increase somewhat. The break even depends on many potential factors.

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Learn more about our solutions **here**

To be continued…

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