**Vocabulary**

1. Multishuttle system – it’s a system that typically used with an automated storage and retrieval system (AS/RS) that moves goods (mostly on pallets) in 3 dimensions to store and retrieve items without human intervention.
2. Analytics tools – algorithms that help operators analyze performance, identify trends and make predictions that inform operating decisions, often using machine learning to improve over time.
3. Optical recognition – sensors that scan items (often on 6 axes) to apply sortation and other logistics. Examples include a conveyor’s diverts, laser-guided vehicles, and camera-based movement of drones.
4. Conveyor connection – a connection between 2 disparate conveyor systems that often use decision logic to affect the flow of items. Typically, connections integrate different systems of flow, for example, push and pull flows.
5. Management system – analytic and digital systems that integrate analytics, performance reporting, and forecasting tools, allowing managers to easily control a full system such as a warehouse.
6. Smart storage – storage solutions that use advanced analytics and digital tools to place and retrieve items in the most efficient way, adjusting storage media based on the product, picking, and order characteristics.
7. 3-D printing – also called additive manufacturing, this process creates parts by adding layers of a material (metal or plastic, typically) to create the desired shape.
8. Swarm AGV(Autonomous guided vehicle) robots – аutonomous guided vehicles that operate freely or on digital tracks to bring items (often from a storage rack) to a picking station based on instructions from the order-ow software.
9. Smart glasses – glasses that augment and assist the reality of wearers—for example, by displaying directions to storage locations for picking— reducing inefficiencies of searching.
10. Picking robot – systems with robotic arms that mimic human picking motion. Picking robots can be fixed (with goods brought to them) or mobile (traveling to storage to pick items).