

INTELLICYBER

Customer Supplier PORTAL

Multi Enterprise Collaboration Products

Mobile Warehouse

IDX MHE Materials Handling

IDX4 INTELLICYBER Development Exchange

IDX RFID

A proud Member of: EPCglobal

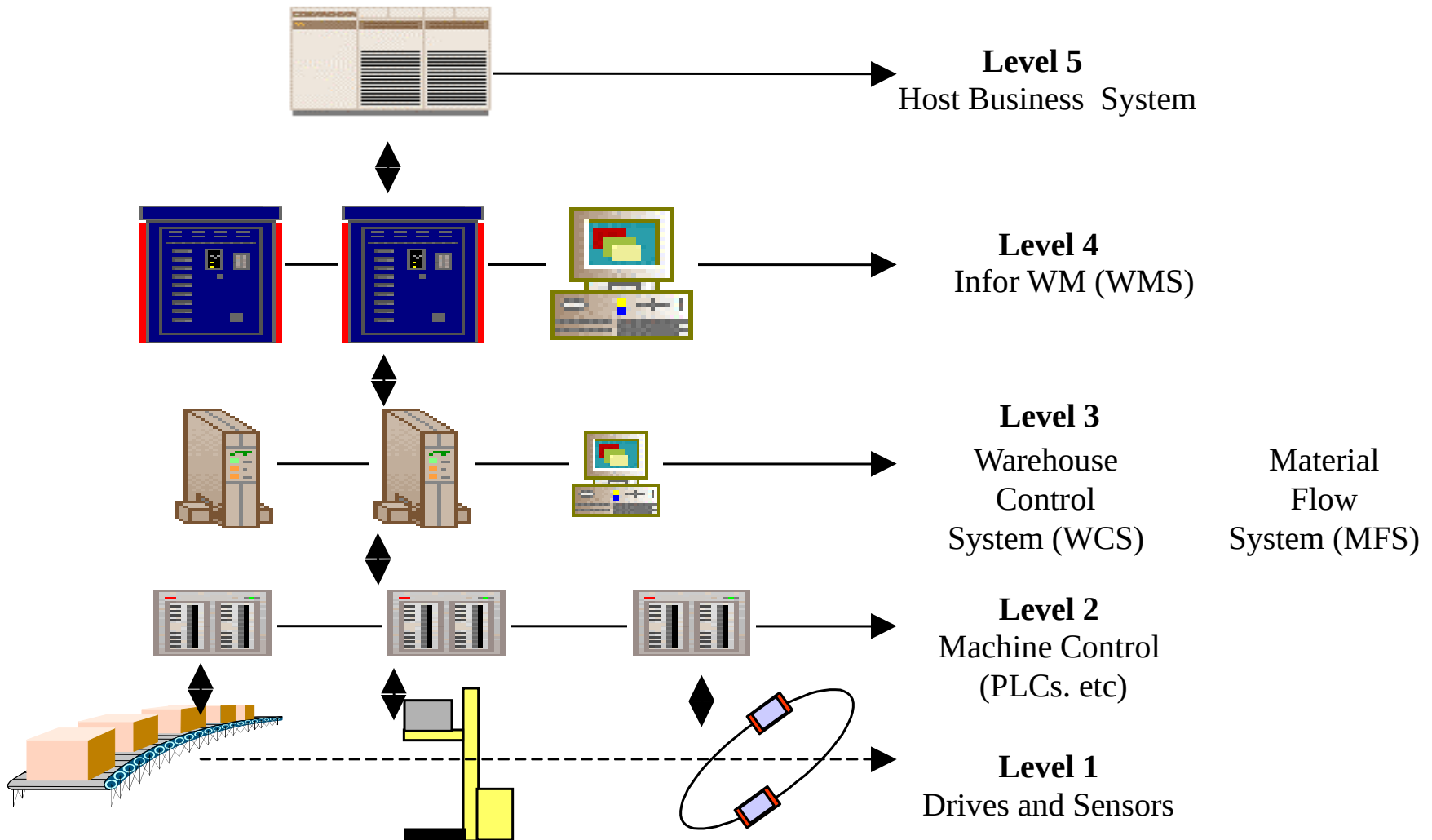
IDX MHE (aka Octopus) Interfacing

What Is IDX MHE (aka Octopus)?

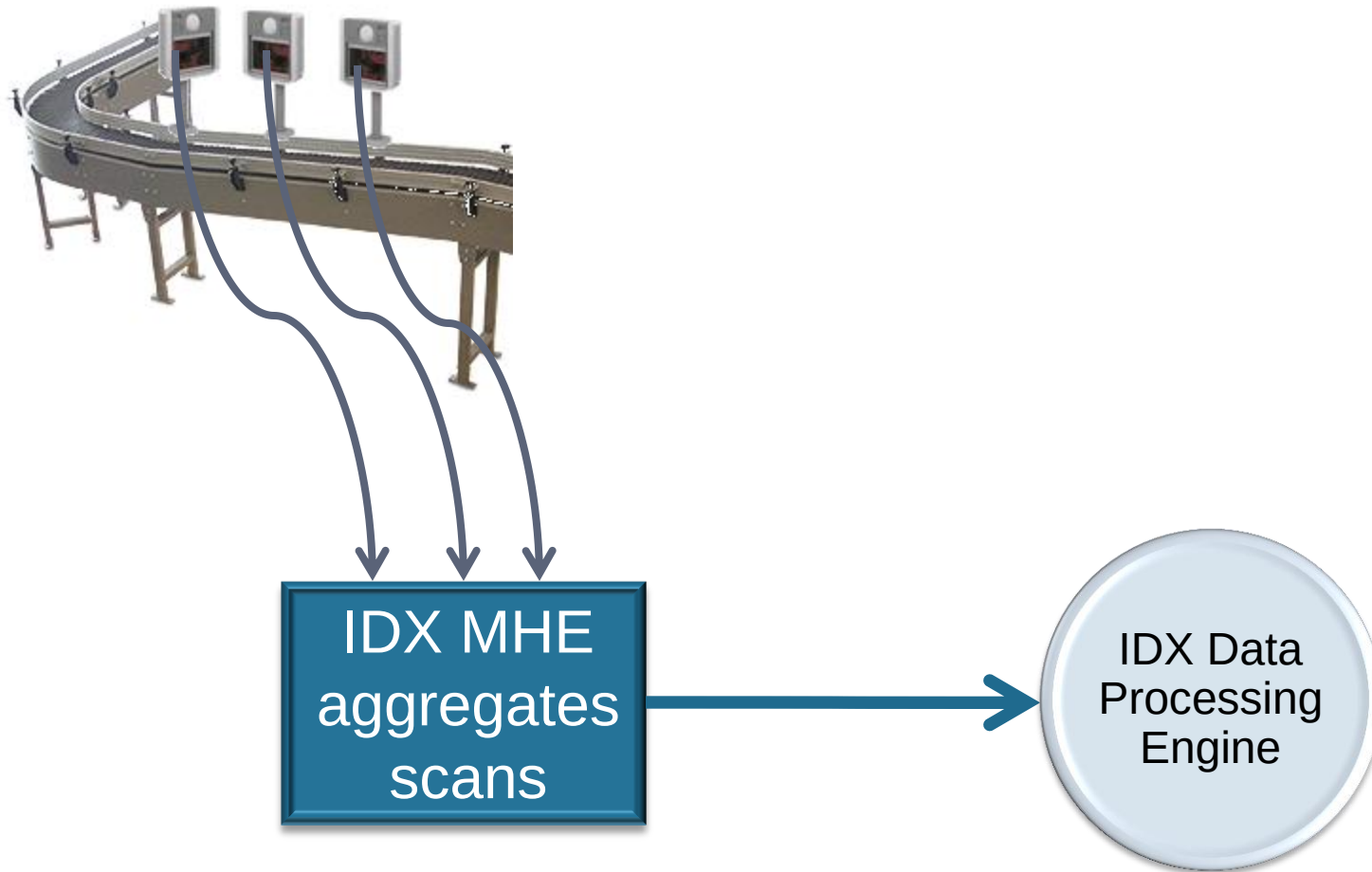
- A middle-ware application that interfaces WMS with Material Handling Equipment (MHE)



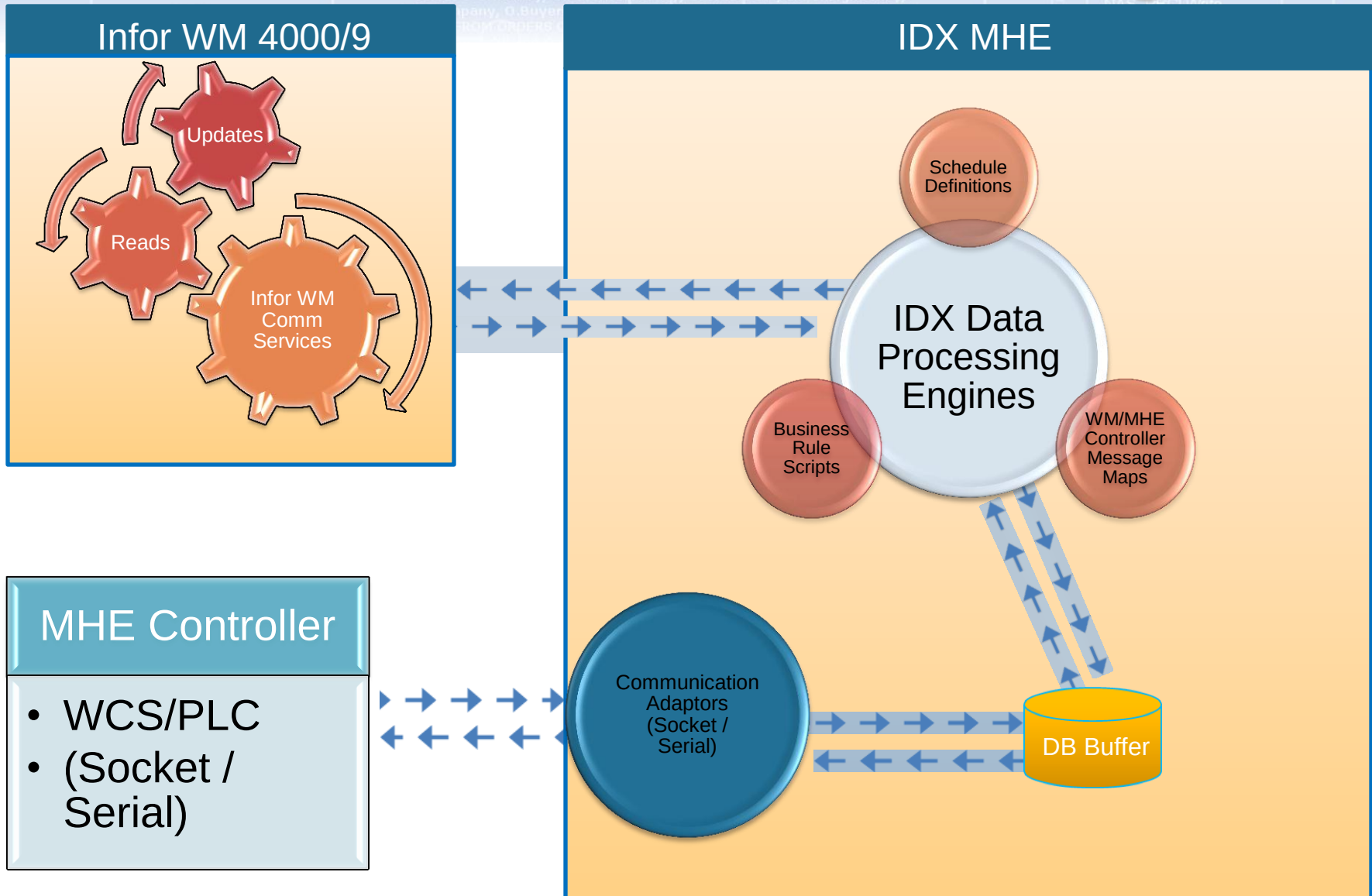
The Different Layers



Multiple Scanner Aggregation

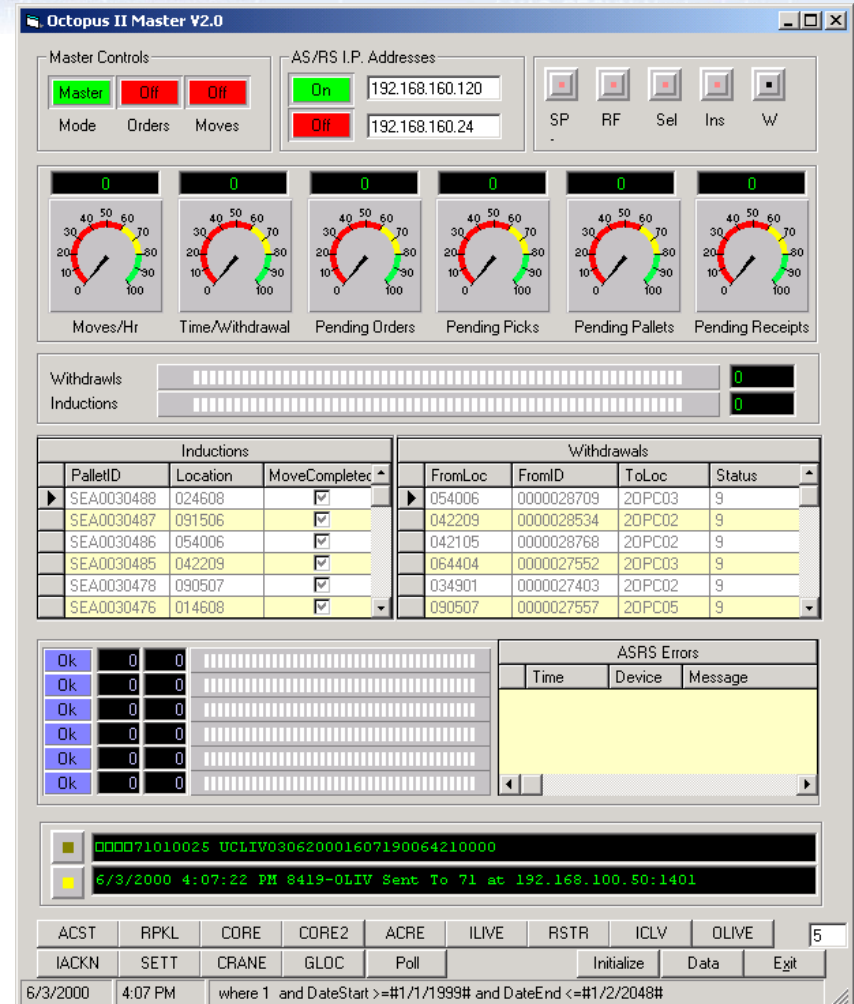


IDX MHE Integration



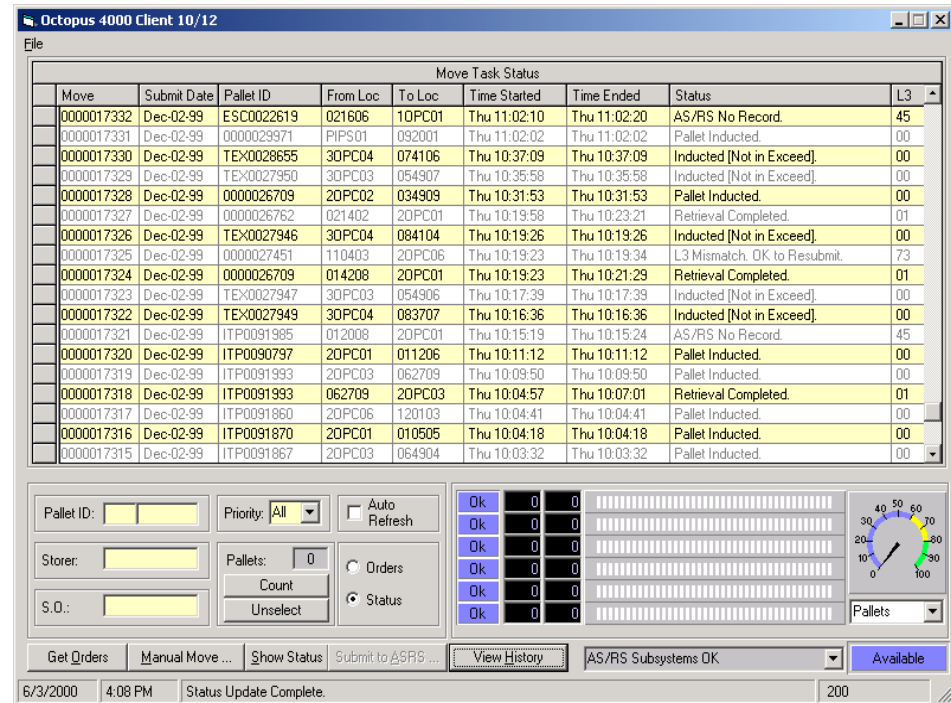
IDX MHE Integration

- Provides a real-time as well as batch interface between Infor WM and MHE Controllers
- Uses industry-standard communication protocols
 - IP (TCP/UDP)
 - FTP
 - Socket communication
 - Serial RS 232
 - Siemens S5/S7 RK512



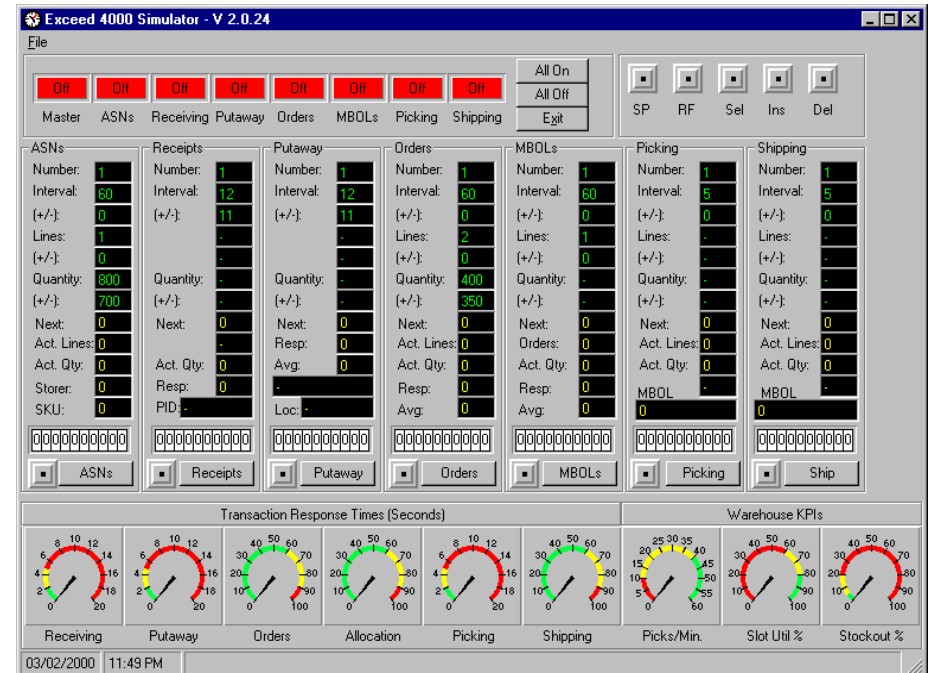
Octopus-Client

- Comprehensive monitoring and error-handling capabilities
- Continuous visibility of warehouse activity



Octopus - Simulator

- Comprehensive suite of testing and simulation tools



IDX MHE Installations

Company	Location	MHE Type	MHE Provider
• 1. Fritz	Singapore	AS/RS	Dematic
• 2. GroceryWorks	Dallas	Pick-To-Light	Rapistan (Dematic)
• 3. GroceryWorks	Houston	Put-To-Light	Rapistan (Dematic)
• 4. FoodChain	Phoenix	Pick-To-Light	Rapistan(Dematic)
• 5. JJM	Japan	AS/RS	Daifuku
• 6. eHub	Taiwan	AS/RS + Carousel	Okamura
• 7. Unitech	Taiwan	AS/RS + Elevators	Murata
• 8. CTW	Taiwan	AS/RS	Mannesman
• 9. PTC	Singapore	Gantry Cranes	Dematic
• 10. Moreton	Singapore	AS/RS	Dematic
• 11. Keppel	Singapore	AS/RS	Dematic
• 12. Abastex	Mexico	Pick to Light	Rapistan (Dematic)
• 13. Abastex	Mexico	Put-to-Light	Rapistan (Dematic)
• 14. Fairchild Semiconductor	China	AS/RS	Daifuku
• 15. Eaton Electronics	Netherlands	AS/RS + Conveyors	Lalesse
• 16. Ketten Wulf	Belgium	AS/RS	Lalesse

IDX MHE Experience with MHE vendors

- Avery Denison - Pick to Light, Sortation
- Buschman - Sortation, Carousel
- Cardex – Carrousel
- Demag - ASRS
- Dexion - Sortation
- Diafuka - ASRS
- Digitron - ASRS, Miniload
- Equinox - Hanging Garment Sortation
- Fortna – ASRS, Conveyor
- Lalesse – ASRS, Conveyor
- HK Systems - ASRS 1
- Hytrol - Sortation 2
- Interlake Systems - Pick to Light
- Kingway - Pick to Light
- Knapp – ASRS, Pick to Light
- Mannesmann - ASRS
- Murata - ASRS, Lift
- Okamura - ASRS, Carousels
- Rapistan - Conveyor, Pick to Light
- RealTime Solutions - Pick to Light
- SI Handling - Pick to Light, A-frame
- Tokyo Kanestu - Sortation
- Western Atlas - Sortation
- White System - Carousel
- Willow Glen - ASRS, Pick to Light