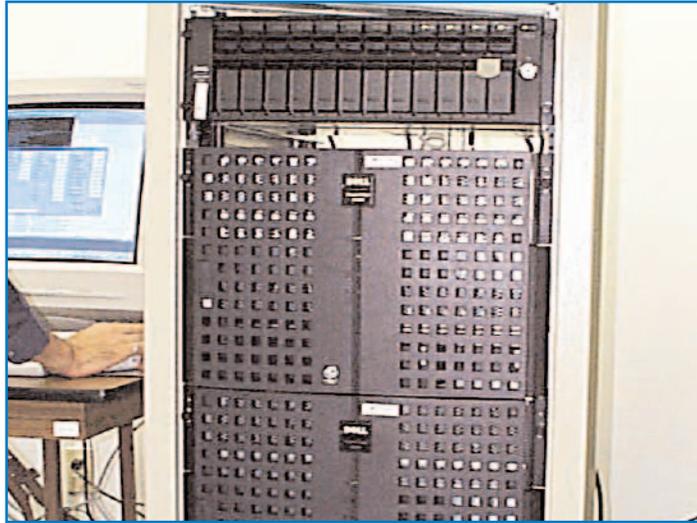# Cielo™ Host Interface Module

The Cielo Host Interface Module enables anyone connected to the host access to detailed information about cargo within a facilty.

This module maintains a much more accurate host by updating the host with the location of AWBs, ULDs and Roll Boxes within the cargo facility automatically. CIELO can retrieve information for cargo that is not yet in the facility. It allows the managers and operators to plan for anticipated arrivals of cargo.

katlyn.
AIR CARGO SYSTEMS SPECIALISTS

Cielo™ Host Interface Specifications

EQUIPMENT:
Host system

COMMUNICATION:
Ethernet connection

CONTROL:
Manual and/or Automatic

APPLICABLE SCREENS:
Host Recovery
Screens that display Flight, AWB, ULD Information
Screens for Flight Staging
ULD Arrival, AWB Acceptance and many others

Information integrity is maintained, both the host and CIELO will have the same information. This is because CIELO and the host computer are continuously updating each other with pertinent information.

Benefits external to the Cargo Facility
Communication with a host computer allows people physically removed from the location to 'see' the state of cargo within the facility. Giving customer service agents that are in remote locations detailed tracking information that is needed for the customer.

One example of detailed host communication is the break down of an AWB. The host will know the location of an AWB but it will not know its actual state. It could be "at JFK" but this could be at any location from the ramp to anywhere within the cargo building. The AWB can be within a ULD, it can be in storage, it might be broken down, etc… A connection to the host would help provide finer control of tracking, offering information during the intermediate steps.

CIELO updates the host once cargo has "arrived" to the cargo building. Providing the host with detailed information on the cargos state and location. When an AWB goes though the break down operation, the host is updated by sending the notification that the AWB has been broken down. Indicating that it is available to be picked up by the customer. This provides an extra layer of detail, which exceeds the 'basic' information of location. The specific state and location of an AWB is known to the host and everyone who can connect to it.

Benefits to internal people to the cargo facility
For internal operations to the cargo facility, CIELO provides a common interface, eliminating the need to use various programs to reference host data and cargo operations. With host integration, CIELO makes the arrival/break down operations much simpler by updating a common database. This helps the operator by providing all of the known data for the AWB or ULD and filling it out to the screen.

When CIELO can communicate with the host, counter operations can provide the customer with detailed information regarding their cargo. CIELO can notify the counter operator that a specific flight has arrived.

Host communications provide CIELO with information on flight manifests and arrival times of cargo to the facility. A connection to the Host would also supply CIELO with data on arriving flights, so the arrival plan can be made. It also facilitates easier build up, transit, or delivery planning.

Other CIELO modules would utilize host communications by providing details on AWBs and ULDs that are not in the cargo facility.

Typical information passed from the host:
• Flight schedules
• AWBs or ULDs in each arriving flight
• AWBs or ULDs to be staged for a flight
• ULD Location and Contents database
• Roll Box Location and Contents database
• Flight arrival notification
• Flight manifests