

# UNDERFLOOR SERVICE DISTRIBUTION

by Tate Access Floors

Host.net  
Boca Raton, FL

## EQUIPMENT ROOM PROJECT

7,000 gross sq ft  
6,500 sq ft access floor

### PRODUCTS USED:

ConCore 1250  
Underfloor Air System  
Modular Wiring & Cable



*"There are a number of strategies that can be employed to green the data center environment. However, with air conditioning and climate control accounting for the largest percentage of energy costs in these facilities, we thought it wise to look there." Jeffrey Davis, Host.net CEO and co-founder*

## Subject

Host.net

Tate's underfloor service distribution solutions are now helping to support the green, energy efficiency initiatives at the multinational, Boca Raton-based communications and information services company. Host.net, which also operates as a colocation provider, supports a variety of mission-critical web-based applications such as medical, financial and ASP. Recognizing that data center energy consumption will continue to rise with the demand for greater computing capacity, it recently launched a green initiative aimed at driving down energy consumption while freeing up physical space, power, and cooling capacity to support that ongoing growth.

Host.net saw the value in raised access floors with underfloor air as a way to realize maximum energy savings. This system provides data centers with the ability to handle high heat loads in the most energy efficient means possible. Cool air is supplied closer to the racks, along with various integration strategies that accommodate lower fan speeds and higher temperatures that take advantage of displacement ventilation. The result is reduced operating costs and lower facility and maintenance costs. Tate's raised access floors are designed to facilitate the service distribution challenges of ever-changing technologies, and the increasing cooling demands of today's mission critical facilities. Its GrateAire® aluminum die-cast airflow panels feature 56% unobstructed open area. Understructure options for any seismic requirements are available with standard finished floor heights ranging from 12" to 48" as well as a wide variety of factory laminated conductive and static dissipative floor finishes. All Tate components are zinc whisker-free, eliminating the risk of short circuit. Tate's products are the perfect fit for Host.net.

### TATE AUTHORIZED DEALER

Irvine Access Floors  
Orlando, FL

### ARCHITECTURAL FIRM

Host.net  
Boca Raton, FL

### MECHANICAL ENGINEERING FIRM

American HVAC-R Services  
Boca Raton, FL

**Tate**®