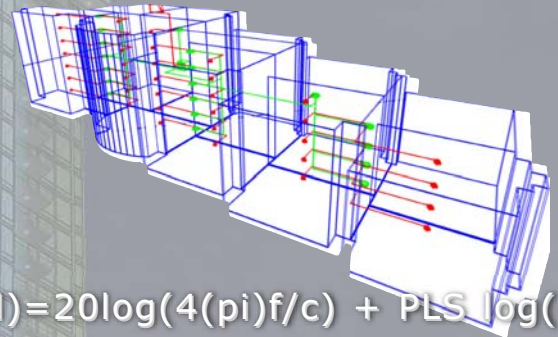# In-Building Services

Increasing demand for broadband services by consumers and businesses requires a well designed in-building infrastructure to meet both the coverage and capacity for all types of indoor and outdoor venues. Telnet provides in-building design, testing, optimization, and deployment services and solutions for:

- Stadiums
- Shopping Malls
- Airports/Railways
- Convention Centers
- Hospitals
- Office Building
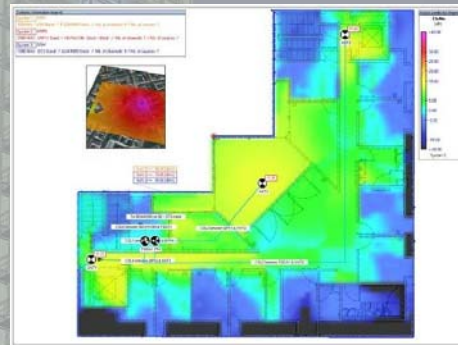- Subway/Railway Systems
- Other Special Cases

Services

Our complete line of In-Building services include:

- **Project Management**
- **Online Tracking System & Data Exchange**
- **Site Walk, In-Building Data Collection**
- **Post Processing & Customized Report Creation**
- **Site Survey, Pre Construction Walk**
- **Site Audit & Assessment**
- **Design Solution**
  - **Coverage Design**
  - **Capacity Design**
- **Installation and Commissioning**
- **MPE & Regulatory Compliance**
- **Optimization and Performance Management**

$$PL(d) = 20\log(4(pi)f/c) + PLS\_log(d)$$

Solutions

Telnet ensures each Venue is specifically designed to meet the requirements of the client and the indoor environment itself:

- **DAS, Coax, or Fiber**
- **Neutral Host Technology**
- **Equipment Vendor Evaluation and Selection**

Downlink App Throughput (kbps)

	[0, 500)	[500, 1000)	[1000, 1500)	[1500, 2000)	[2000, 2500)	[2500, 3000)	[3000, 3500)
PDF	0.1262	0.2126	0.2093	0.1561	0.1661	0.1927	0.0432
CDF	0.1262	0.3388	0.5481	0.7042	0.8703	1.063	1.1062