



inovonics®

Quoting a Submetering Site

Quoting is Straightforward, Mostly

- You know the number of transmitters
- You know you'll have a single gateway/data logger
- But how many repeaters and where should they go?



The Importance of Quoting Accurately

How many repeaters and where should I install them?

- Enough to ensure receipt of reads data for billing accuracy
- But not too many to avoid unnecessary
 - Hardware costs
 - Installation and maintenance labor



Inovonics Repeater

Repeaters: How Many and Where?

Depends on what your building

1. If it's typical, the same style you've been submetering for years: "Rule of thumb"
2. If it's unlike those you typically submeter: Conduct a site survey
3. If it's pre-construction and unlike those you typically work with: Contact your Inovonics account manager



1. Rule of Thumb

- Specify one repeater for a predetermined number of apartments
- Ideal for
 - Those with significant Inovonics experience
 - When quoting “typical” properties
- Completion of TapWatch Certification training highly recommended



Rule of Thumb: Effective to a Point

- Radio propagation variables:
 - Construction type
 - Mid/High rise vs. garden style
 - Concrete/steel vs. wood
 - Number of buildings, building shape
 - Obstacles
 - Subterranean apartments
 - Surrounding construction density
 - Trees and landmasses
 - Chain link fences

When in doubt, conduct a site survey



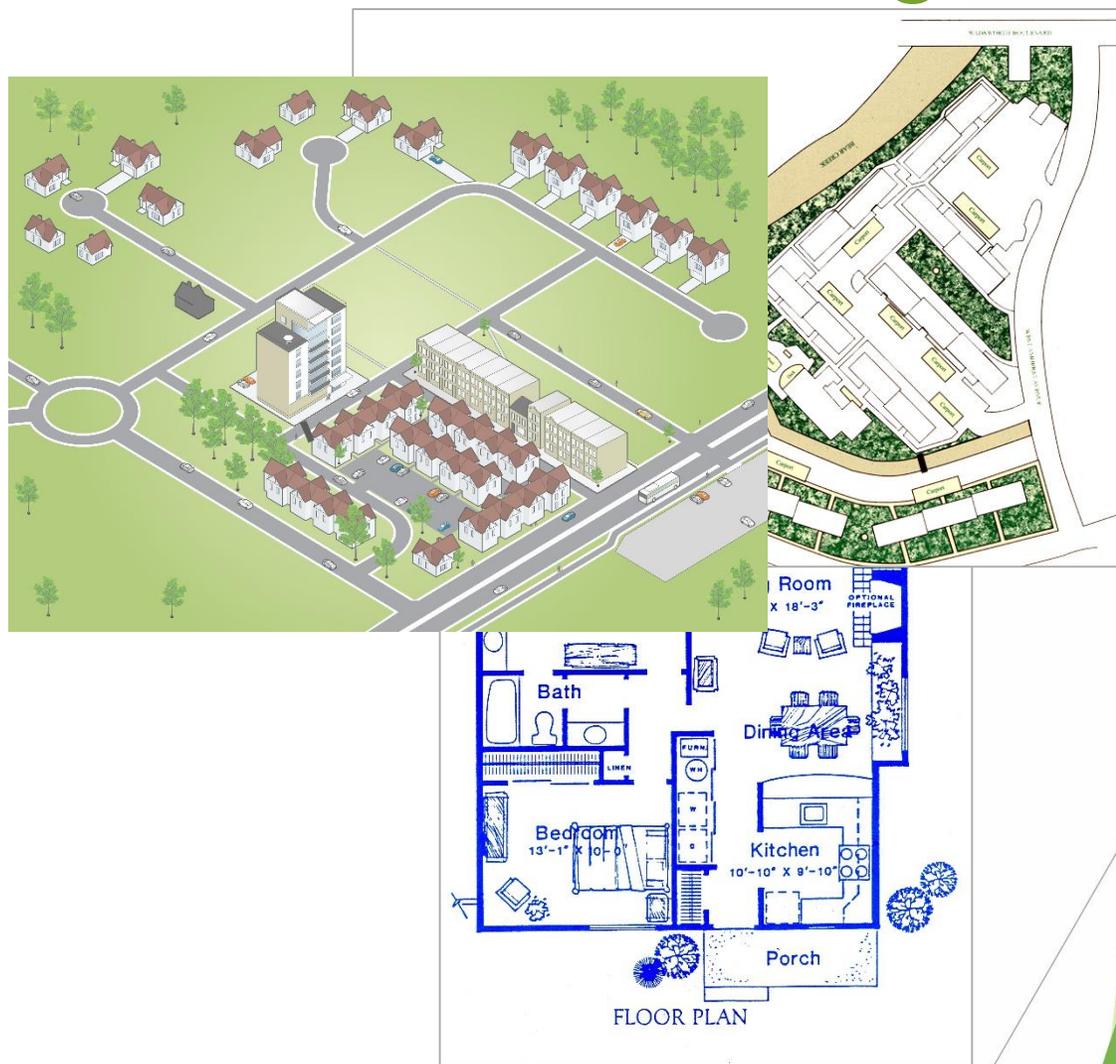
2. Conduct a Site Survey

- The EN7016 Survey Kit: Ideal for
 - complete/nearly complete sites
 - remodels and retrofits
- Walk property and know exactly
 - How many repeaters you need
 - Where they should go
 - Use completed areas as reference for areas under construction
- Also a valuable troubleshooting tool
- Inovonics account managers available for on-site assistance
- See our [website](#) for more



3. Contact your Inovonics Account Manager

- Ideal for
 - Atypical sites
 - Pre-construction phase
- Provide as much detail as possible
 - Site and floor plans
 - Elevations
 - Construction materials
 - Unobstructed lines of sight
 - Indoor vs. outdoor installation



For More Information

- Inovonics Technical Support:
 - support@inovonics.com
 - (800) 782-2709, (303) 939-9336

- [Your Inovonics Account Manager](#)

- [Inovonics Submetering Partners and Distributors](#)