

Indoor Positioning

from Scandinavian Radio Technology

Scandinavian Radio Technology (SRT) supplies one of the most flexible yet reliable Indoor Positioning and communication Systems (IPS) on the market. An IPS in its simplest form consists of a network of tags that provide spatial data to all compatible handheld devices in the vicinity. Our IPS has the additional advantage of also offering communication possibilities.

Today there exists a wide array of different IPS on the market and as a consumer it can be difficult to properly evaluate them. The main advantages of choosing SRT's IPS are the following:

- **We develop our IPS ourselves.** Behind the products lies thorough development work performed by our engineers and by developing the products ourselves we can guarantee seamless integration between the different parts of the system.
- **Our IPS does not require any central server.** The system is autonomous in the sense that handheld devices process position data from the position tags and initiate the alarm sequence on their own. With fewer parts to the overall system, the chances of interruptions and failures are less.
- **Our IPS can be used for both positioning and communication purposes.** Most IPS assumes that a communication network, such as GSM or Wi-Fi, exists at the installation site. Our IPS can however be used in environments lacking such communication networks. By using tags both as sources of

spatial data and for relaying alarm messages to the rest of the network, our IPS can be used almost anywhere.

- **Our IPS is easy to install.** All communication in our IPS is wireless and does not depend on expensive wired networks to function.
- **Our IPS is easy to scale.** Installing individual tags is simple, making it easy scaling your installed IPS as time goes. As you needs change, so can your IPS.
- **Our IPS is self-monitoring.** If the system is used for communication purposes it can be monitored with SRT's NetGuard. NetGuard keeps track of all tags in the network, making sure they function properly. If a tag should malfunction, NetGuard will notify you.
- **Our IPS is highly configurable.** Each individual tag can be configured with its own spatial data and signal strength to best fit in the local environment where it is installed. No environment is alike and therefore SRT's IPS offers the flexibility required to meet your demands.
- **Our IPS is compatible with multiple types of handheld devices.** If your users use their handheld alarm device both indoors and outdoors, they will benefit from an alarm device equipped with GNSS (GPS, GLONASS). If they only use their alarm device indoors, a stripped down model is sufficient. No matter your needs, you can rest assured that our IPS will work with all types of alarm devices.

