

Verifying the security and temperature of high-value pharmaceuticals

When shipping a Schedule II narcotic, the U.S. Drug Enforcement Administration (DEA) enforces strict regulations. A shipment must arrive within 48 hours, and the sender must verify that it maintained the required temperature en route and was not tampered with.

For **Par Pharmaceutical**, shipping Schedule II narcotics required two devices — a GPS transponder and a temperature data logger — to verify location and temperature. Also, the recipient had to connect the temperature data logger to a computer and upload the data for DEA compliance. This often caused delays.

With SenseAware®, a FedEx innovation, Par Pharmaceutical was able to eliminate delays and reduce costs. SenseAware enabled Par Pharmaceutical to monitor security and verify compliance with a single device, and then share relevant data with the DEA as soon as the shipment arrived.



7:45 a.m. Day 1 Are we good to go?

- Par Pharmaceutical loads the Schedule II narcotics on a refrigerated truck operated by a third-party logistics (3PL) carrier.
- SenseAware confirms shipment is within controlled-room-temperature (CRT) range, 20 to 25°C (68 to 77°F).



5:45 p.m. Day 1 Was it stolen?

When the shipment travels outside the established route-based geofence, SenseAware emails the Par Pharmaceutical security team, who contacts the 3PL carrier and learns the driver took a detour due to an accident on the established route.



2:17 a.m. Day 2 Is it overheating?

- The SenseAware device senses a temperature of 77.4°F, triggering emails to the Par Pharmaceutical Quality Assurance (QA) team and the 3PL carrier.
- The carrier instructs the driver to adjust the temperature to a cooler setting.
- The QA team uses SenseAware to confirm the temperature has returned to the CRT.



6:32 p.m. Day 2 Mission accomplished

- After 1,200 miles, the shipment crosses the geofence at its destination.
- SenseAware emails the QA team, who quickly downloads the temperature reports and prepares the required data for the DEA.
- The shipment is released without delay.



Know More. Know Now.

To learn more about SenseAware, call a SenseAware Advisor at **901.434.3030** or go to **senseaware.com**.