

# Can you afford to lose sight of critical healthcare shipments?

Irreplaceable tissue samples are overheating when a courier is stuck in traffic. A patient kit for a clinical trial isn't going to arrive in time for the next dose. A Schedule II narcotic is being held until the DEA receives temperature-in-transit verification. A surgical team considers using a competitor's device because the hospital's receiving dock can't locate the product you had delivered.

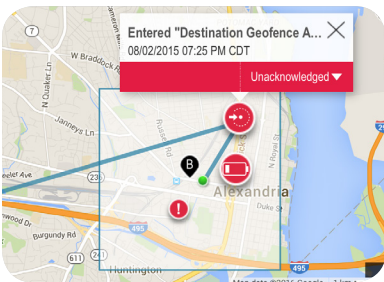
## Know the location and condition of your critical shipments in real-time.

Whether you're shipping a single specimen or a pallet of expensive diagnostic equipment, SenseAware®, a FedEx innovation, gives you the inside story on your critical shipment's location and environmental conditions. This cost-effective, sensor-based logistics (SBL) technology lets you make informed decisions regarding rerouting, replacing, and intervention. Use it to gain visibility into a single shipment — or your entire supply chain.



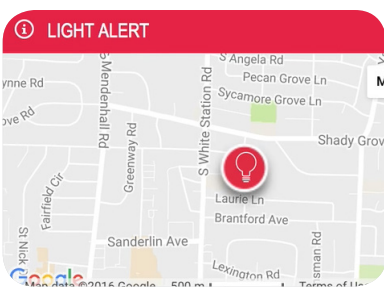
### Verify location and condition for regulatory compliance

Use SenseAware to monitor and store data required for regulatory compliance. Verify temperature in transit and chain of custody for controlled substances, document distribution, dosing for a clinical trial, and much more.



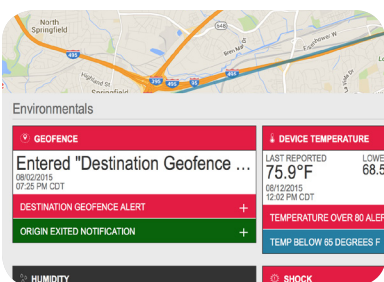
### Be alerted to security issues

Be the first to know if security has been compromised. Designate a geofence or a route-based geofence, and SenseAware can notify you if your high-value items leave or enter the area, or if they deviate from the designated route. SenseAware can also inform you if the shipment's contents are exposed to light — a possible indicator of theft or tampering.



### Track your shipment's progress

In healthcare and life sciences, timing is everything. SenseAware supports just-in-time precision. It can notify key parties when a shipment crosses a geofence or is exposed to light — so everyone can receive alerts confirming the shipment's arrival.



### Monitor or verify environmental conditions

When your shipments are environmentally sensitive, use SenseAware to monitor temperature, humidity, barometric pressure, g-shock, and light exposure. Establish desired ranges for data, and SenseAware will notify you when a shipment goes out of that range.

## med fusion keeps lifesaving samples in sight

### Challenge:

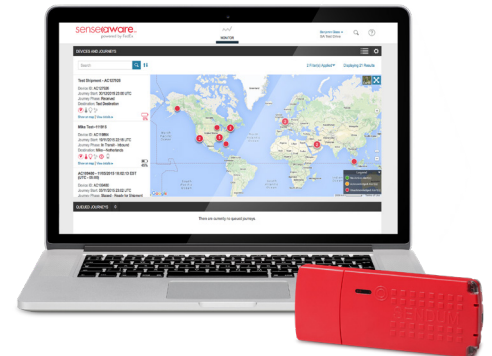
One of the services med fusion provides is pathology testing and analysis for oncology practices. Because every tissue sample is considered “irretrievable,” losing one is not an option. When oncologists shipped these temperature-sensitive samples to med fusion using passenger airlines, the company detected an increased risk of loss, delay, or temperature excursion.

### Solution:

med fusion provided SenseAware devices to its oncology customers, so they could track and verify the location and condition of each sample while it was in transit. They worked with SenseAware to create journey templates with target temperature parameters for different types of shipments.

### Result:

med fusion was able to use SenseAware to locate samples when the carrier lost visibility. They also received alerts from SenseAware when there was a temperature excursion, giving the company time to intervene with re-icing or other measures. Now, med fusion uses SenseAware devices in its courier vans to monitor the ambient temperature and to ensure quality from door to door.



*“SenseAware plays a major role in our marketing to physician groups, especially oncologists. Being able to verify that samples are secure and at the proper temperature differentiates med fusion from our competition.”*

- Rich Horan, Vice President for Support Operations, med fusion

## Give your customers peace of mind with SenseAware

With SenseAware, you'll be able to give your customers the inside story on the cargo they care about most:

- Irreplaceable shipments, such as family pets, race horses, and research animals.
- Valuable shipments, such as jewelry, furs, or artwork.
- Temperature-sensitive cargo, such as vaccines, tissue samples, or blood products.
- Cargo that requires precise arrival time notification.
- Cargo that requires chain-of-custody or chain-of-quality verification.

### SenseAware. Know More. Know Now.

Unlike data-loggers that provide detailed information after a shipment is delivered, SenseAware, a FedEx innovation, uses sensor-based technology to communicate what's happening with your shipment in real-time. It enables you to proactively respond to or mitigate potentially negative situations. Simply activate the SenseAware device and place it in or on your shipment or inventory. The robust online application lets you monitor your shipment's integrity, security and location from your desktop or mobile device.

Developed by FedEx, SenseAware can be used with any approved air or ground carrier, domestically and internationally, or on private fleets. It can also be used in non-shipping applications, such as inventory control and process monitoring.

### How do I sign up?

**SenseAware Subscription** is available for unlimited use with a monthly subscription. With **SenseAware Single Journey** you pay for each use, and we handle everything — from programming the device, to monitoring your shipment, and even coordinating intervention with local law enforcement, if necessary.