CELLULAR ENVIRONMENTAL MONITORING + GPS*

Stars LTE-CTrack

Know the conditions. Follow your assets.



Bring environmental measurements and location updates into the Stars Telemetry web platform. Follow the spaces and assets that matter, review their history and receive alerts when configured conditions change.

For mobile operations and fixed monitoring points — with rechargeable power, cellular communication and a compact IP65 enclosure.

No customer Wi-Fi
Cellular reporting

Rechargeable power
Battery + USB-C

One web platform
Monitor several locations

Where CTrack fits

Cargo & mobile assets
Follow environmental conditions and scheduled GPS positions during transport, handling and storage.*

Food trucks & food parks
Monitor the environment around equipment and operating spaces across changing work locations.

Refrigerated storage
Observe cold rooms and compatible freezers within the rechargeable device's operating limits.

Facilities & workspaces
Bring several monitoring points and locations into one account, with access for the right people.

A connected view of your operation

Use the same solution to observe conditions, follow trends and coordinate a response — from a single monitoring point to multiple locations.

* GPS, journeys, geofencing and other service features depend on the selected plan, configuration and compatible coverage. Temperature measurements describe the environment; they do not directly measure the core temperature of stored food or products.

Built to monitor. Designed to conserve energy.

Five environmental measurements give context to changing conditions. Configurable reporting and local alarm checks balance visibility with battery use.

MEASUREMENT	HOW IT HELPS
Ambient temperature	See how the monitored environment changes over time and set high/low thresholds.
Relative humidity	Follow moisture conditions alongside temperature for a more complete environmental picture.
Atmospheric pressure	Add barometric context to the measurements collected at your monitoring point.
Illuminance	Follow changes in light exposure and configure light-level thresholds for your application.
Internal temperature	Track the device's internal temperature separately from its ambient measurement.

Additional monitoring & alerts*

Condensation and freezing-risk alerts, low-battery warnings, and GPS speed-limit and geofence alerts help identify conditions that need attention. Environmental risk indicators are calculated from readings; GPS alerts require an eligible plan and valid position data.*

What sets CTrack apart

Earlier alarm reporting

Configure environmental alarms individually. Enabled local checks run every minute between routine reports; a newly detected alarm triggers an extra transmission without waiting for the next scheduled report.

Cellular independence

LTE-M / NB-IoT uses a multi-network SIM to access supported carriers, helping broaden available coverage without customer Wi-Fi or a local phone gateway.

Power-aware operation

Rechargeable battery and USB-C power support fixed and mobile use, with separate reporting schedules. In selected low-duty-cycle configurations, estimated runtime can exceed one year between charges; actual results depend on reporting, GPS use and operating conditions.

One device. A complete view.*

Combine GPS tracking and environmental monitoring in one device. The web platform adds forecasts, estimated mold risk and environmental-condition indicators to help interpret readings and plan a response.*

Simple operating cycle

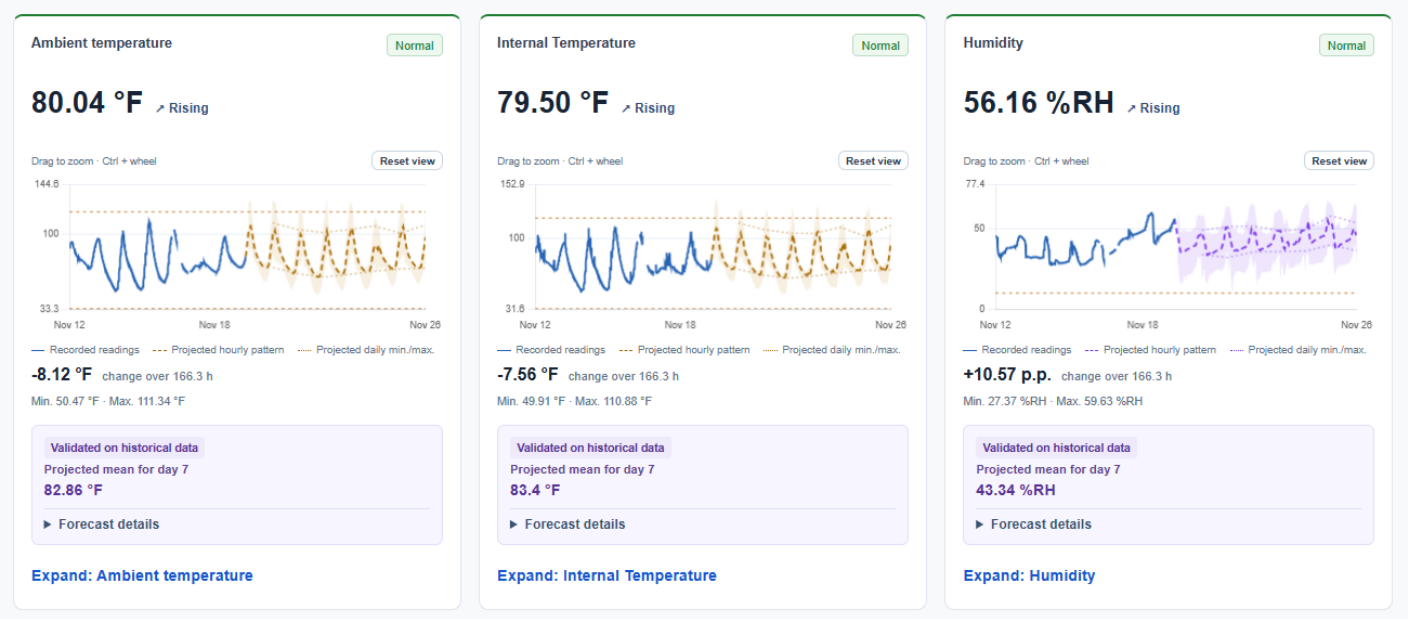
Sleep → Check → Transmit → Sleep

On battery, CTrack spends most of its time in low-power operation. It wakes for local checks and scheduled readings, connects when a report or event requires it, then returns to sleep. This supports monitoring between routine transmissions without keeping the cellular connection active continuously.

Alarm detection is periodic; connection and notification delivery take additional time. Battery runtime varies with reporting frequency, GPS use, signal, alarms, temperature and cell condition.

Your operation, in one web platform.

Open Stars Telemetry in a browser on a computer or phone. Review received readings and manage the monitoring points you are authorized to access.



Stars platform view of ambient temperature, internal temperature and humidity, with recorded readings and forecast examples. Features and forecast availability depend on the selected plan and data history.

See & compare

Review measurements, charts and history across selected periods. Export selected records to Excel (.xlsx) for analysis and reporting.*

Locate & follow*

Filter GPS history by day and by individual journey within the same day. Select a position to inspect its recorded details.

Respond & coordinate*

Set alarm limits and recipients. Follow occurrences, return-to-normal updates and alarm review; receive email or eligible SMS notifications.

AES-128 / AES-256 encryption

Protects device data in transit using AES-GCM over TLS 1.2. Individual digital certificates authenticate each device.

Additional insight and control*

Use forecasts, condensation and mold-risk estimates, environmental-condition indicators and Excel exports to explore your measurements. Configure reporting and alarms remotely, check pending/confirmed settings, and follow power status, estimated battery charge and communication health.

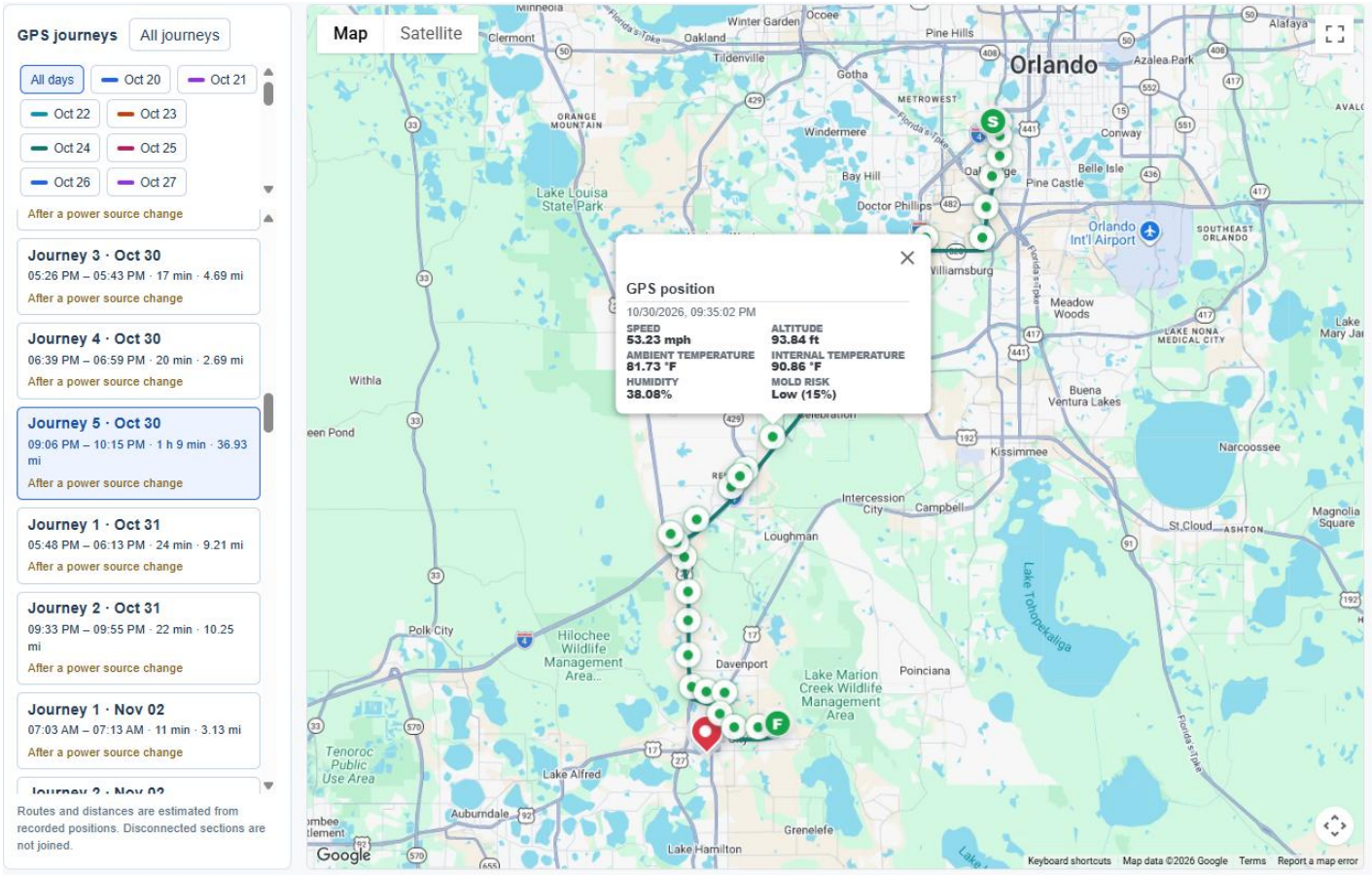
Secure connections. Controlled access.

The encryption level is negotiated for each device connection. The web platform uses HTTPS and authenticated accounts, with Location and Area permissions controlling access to monitoring points.

* GPS, journeys, geofences, SMS, forecasts and exports depend on the selected service features. Forecasts and derived indicators depend on sufficient valid history and are estimates. Platform updates reflect received data and are not a continuous live feed.

Find the day.
Follow the journey.

Filter GPS history by day, then select an individual journey within that day. Review the route, trip timing and estimated distance without searching through the entire position history.



GPS journeys grouped by day, with a selected journey and recorded position details. Platform screenshot supplied by Stars Telemetry.

Inspect each position

Select a recorded position to view its timestamp and available readings: speed, altitude, ambient/internal temperature, humidity and estimated mold risk. Displayed fields depend on configuration.

Export to Excel*

Export selected measurement history and supported GPS coordinates to Excel (.xlsx) for analysis, reporting or sharing. Exports follow your plan, permissions and selected data.

* GPS and Excel exports require eligible service features. Routes and distances are estimated from recorded GPS positions; disconnected sections are not joined. Coverage and reporting intervals affect route detail. Position details reflect received data.

Choose your setup. Start monitoring.

1 Choose

Select CTrack and the available service plan that matches your monitoring and location needs.

2 Set up

Sign in with your purchase account, scan the device QR code and assign its location and monitoring point.

3 Verify

Confirm the first received reading, adjust reporting and enable the alarm limits and recipients you need.

CTrack at a glance

CHARACTERISTIC	RECHARGEABLE VERSION
Communication	LTE-M / Cat-M and NB-IoT, with a multi-network SIM for supported carrier coverage.
Location functions*	Scheduled GPS positions, day and journey filters, recorded position details, speed-limit alerts and geofencing with supported service features.
Rechargeable power	Lithium-ion battery, 3.7 V / 3,350 mAh nominal; USB-C input, regulated 5 V with a source rated at least 1 A.
Enclosure	65 × 100 × 40 mm (2.56 × 3.94 × 1.57 in), nominal. IP65 with the specified seals and protection correctly fitted.
Use temperatures	Battery discharge: −20 to +60 °C (−4 to +140 °F). Charge only above +10 °C and up to +45 °C (above 50 °F to 113 °F).
Hardware warranty	12-month limited warranty against manufacturing defects, subject to the applicable written warranty and sale conditions.

Choose the service features you need

Select from the CTrack plans currently offered by Stars Telemetry. Monthly and annual service options are available; hardware and platform service are priced separately. Compare the current features, allowances and prices online before ordering.

The monthly service includes the device's cellular data connectivity, within the selected plan's transmission allowance. No separate SIM plan is required. The technical datasheet provides measurement ranges, charging conditions and detailed use limits.

Discuss your application with Stars

Explore devices & plans | Request the technical datasheet

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