

TELETRACNAVMAN



# ATS1 & ATS2

Non-Powered Asset & Trailer Trackers



## ATS1 - 4G Cat-M1/NB-IoT

Rugged, waterproof, super long-life battery  
powered asset tracker for unpowered assets and trailers



### Features:

- 3-7 years battery depending on update rate
- 2 years with hourly updates
- 5+ years with daily updates
- x3 AA batteries (LTC) (1.5v or 3.6v)
- User-replaceable
- IP-67 waterproof and dustproof
- Excellent IoT cellular coverage
- Cat-M1 provides optimal coverage with balanced power use & communication speed
- Battery meter for monitoring
- Easy self-installation
- Accelerometer for movement detection
- Unauthorized movement alerts
- Switch from 'locate' to 'track' mode OTA
- Increase update rate for asset recovery

## ATS2 4G Cat-M1/NB-IoT

Rugged, waterproof, super-long-life battery powered asset tracker for unpowered assets and trailers

### FEATURES

- Smaller form factor than ATS1
- 3+ years battery depending on update rate
  - 1-2 years with daily updates
  - x3 AAA batteries (LTC) (1.5v)
  - User-replaceable
- IP-67 waterproof and dustproof
- Excellent IoT cellular coverage
  - Cat-M1 provides optimal coverage with balanced power use and communication speed
- Easy self-installation
- Accelerometer for movement detection
- Unauthorized movement alerts
- Switch from 'locate' to 'track' mode over the air
  - Increase update rate for asset recovery



## Installation Guidance

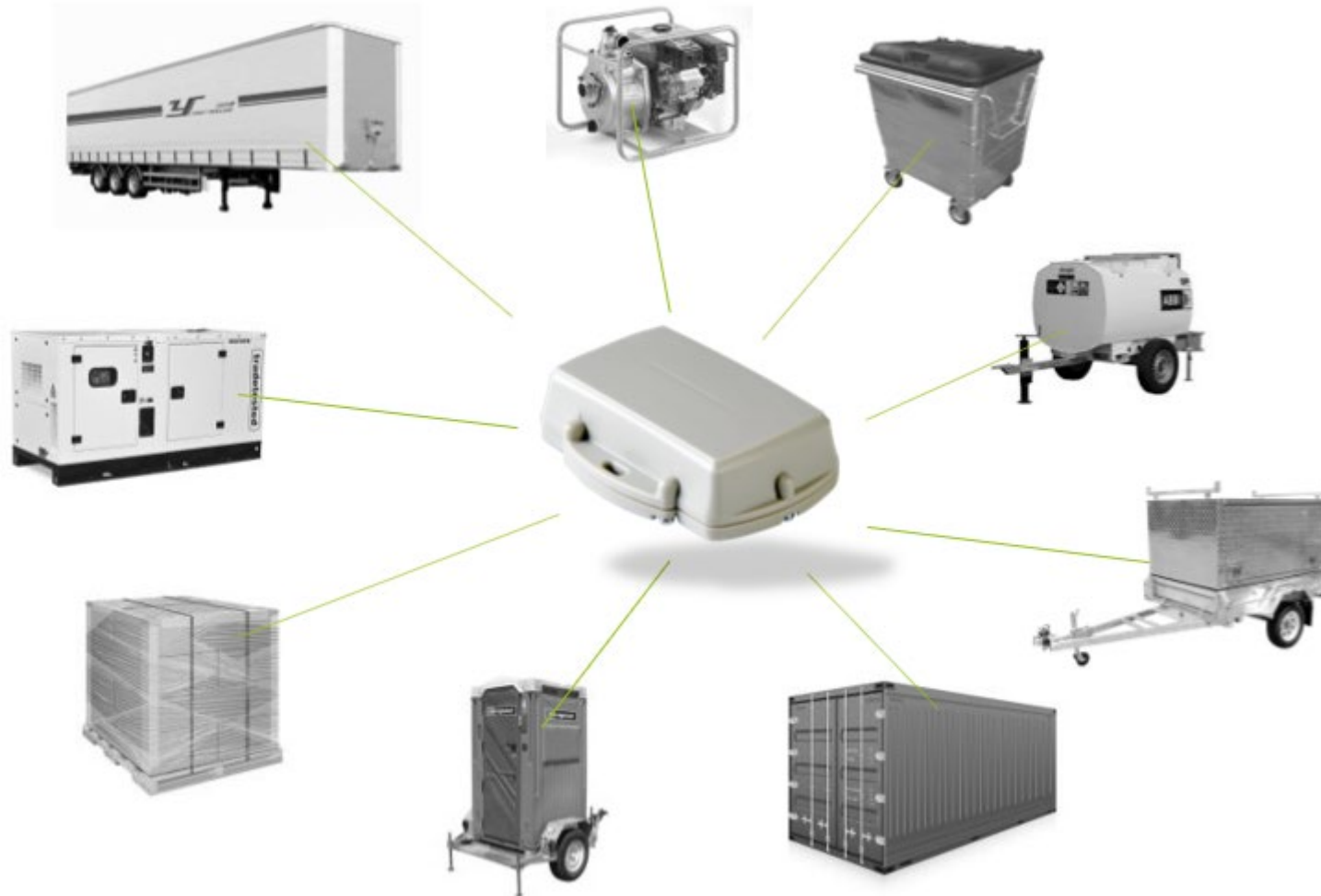
- Units can be mounted almost anywhere
- For an ideal GPS fix, mount the unit with better line of site to the sky.
- Notes for consideration:
  - Heat can be a problem. Refrain from mounting the units next to a hot engine or exhaust. Heat reduces the battery life significantly.
  - If you are worried about theft, it is obviously advisable to mount the device in a discrete location if possible.
  - You can mount the units vertically, horizontally, or even upside down.
  - You can affix the units with screws, cable ties, industrial adhesive tape, or just glue it to the asset.

## Replacement Batteries

- The batteries must be lithium.
- The ATS1 takes x3 AA (1.5v or 3.6v)
- The ATS2 takes x3 AAA (1.5v)-smaller device
- For the very best battery performance purchase Lithium Thionyl Chloride (Li-SOCl<sub>2</sub>) batteries in AA size (3.6v) for the ATS1. Approximately 30% more battery life of standard Lithium's. \*These type of batteries are only available in AA size therefore not available for use in the ATS2.

[https://www.amazon.com/LS17500-Lithium-Chloride-Li-SOCl2-Battery/dp/B07933CVDZ/ref=sr\\_1\\_11?crd=VV01UUA5F0X&keywords=lithium+thionyl+chloride+batteries+3.6v+aa&qid=1560457616&s=gateway&srefix=lithium+thionyl+chloride+batteries+3.6v+aa%2Caps%2C315&sr=8-11](https://www.amazon.com/LS17500-Lithium-Chloride-Li-SOCl2-Battery/dp/B07933CVDZ/ref=sr_1_11?crd=VV01UUA5F0X&keywords=lithium+thionyl+chloride+batteries+3.6v+aa&qid=1560457616&s=gateway&srefix=lithium+thionyl+chloride+batteries+3.6v+aa%2Caps%2C315&sr=8-11)

## Tracking for a variety of non-powered assets



## Case Studies

### Asset Placement and Use:

Metal Scrap Bins



Line Maintenance  
Excavator Attachment



Attachments and/or Small Equipment



# Units integrated into Director Platform

Director - Home <https://director-nz.teletracnavman.net/avl3/Main/VehiclesNav>

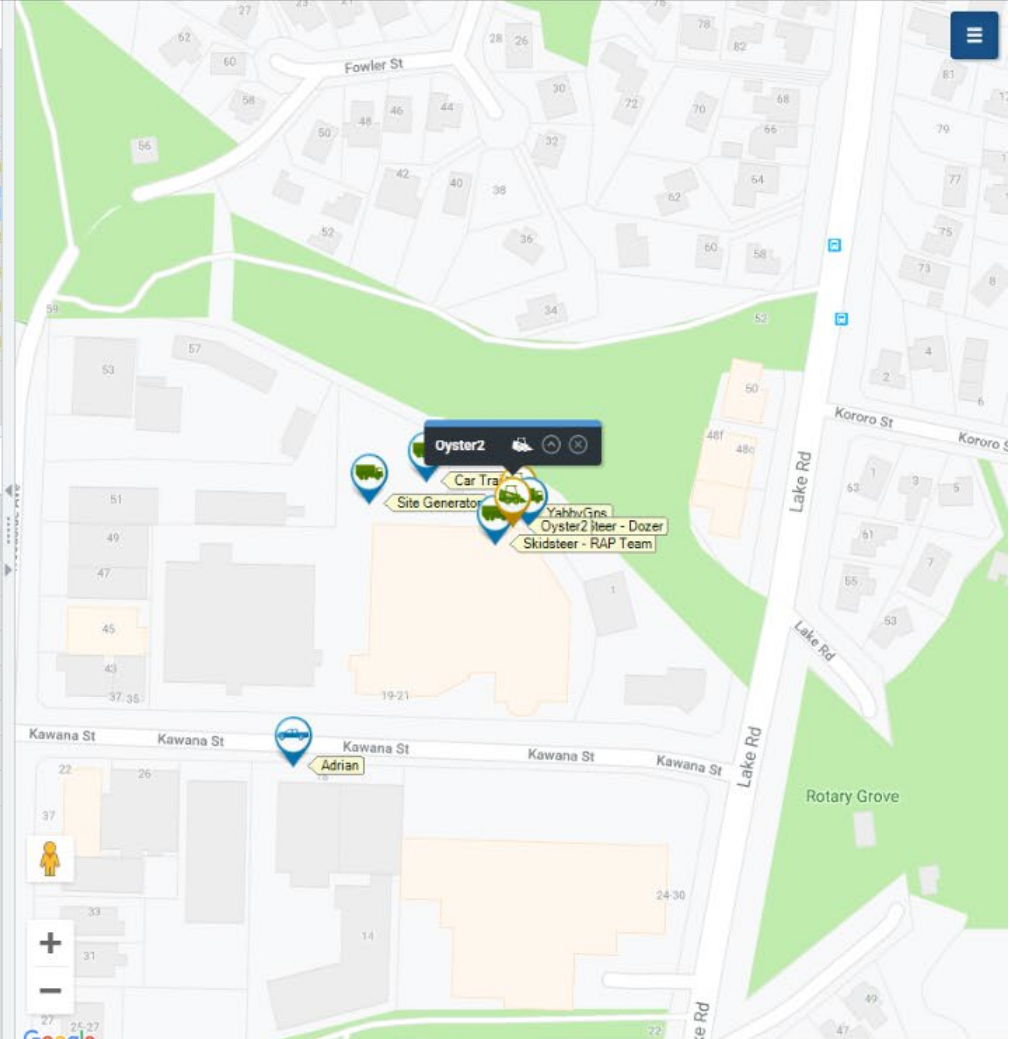
TELETRAC NAVMAN DIRECTOR Home Messaging Reports Administration Site360 NZ Site360 Demo

Vehicles: 7

Ignition	Type	Name	Group	Time	Duration	Speed	Location
		Adrian	NZ Site360 Demo	6/12/2019 8:25:15 AM	1h:56m		[Office Yard], 18 Kawana St, Northcote, Auckl.
		Car Trailer	RAP Team	6/12/2019 6:46:15 AM	33d 21h:6m	1.0 km/h	[Office Yard], 7-21 Kawana St, Northcote, Auckl
		Oyster2	NZ Site360 Demo	6/12/2019 8:41:33 AM	34d 13h:3m		[Office Yard], 7-21 Kawana St, Northcote, Auckl
		Site Generator	RAP Team	6/12/2019 6:45:23 AM	33d 21h:6m		[Office Yard], 7-21 Kawana St, Northcote, Auckl
		Skid Steer - Dozer	RAP Team	6/12/2019 12:41:59 AM	33d 20h:0m		[Office Yard], 7-21 Kawana St, Northcote, Auckl
		Skidsteer - RAP ...	RAP Team	6/11/2019 11:17:18 PM	33d 15h:33m		[Office Yard], 7-21 Kawana St, Northcote, Auckl
		YabbyGps	NZ Site360 Demo	6/12/2019 8:37:27 AM	34d 19h:58m		[Office Yard], 7-21 Kawana St, Northcote, Auckl

Oyster2 (As at Wed, Jun 12, 2019)

Event	Event Description	Time	Speed	HDOP	Satellites	Location
	Move to Stationary	6/12/2019 8:41:3...	0.0 km/h	1.0	12	[Office Yard], 7-21 Kawana St, Northcote, Auckland 0627, N...
	Timed Update	6/12/2019 8:31:2...	0.0 km/h	1.0	12	[Office Yard], 7-21 Kawana St, Northcote, Auckland 0627, N...
	Timed Update	6/12/2019 8:21:2...	11.0 km/h	1.0	12	46 Onewa Rd, Northcote Point, Auckland 0627, New Zealand
	Timed Update	6/12/2019 8:11:0...	26.0 km/h	1.0	12	122 Grafton Rd, Grafton, Auckland 1010, New Zealand
	Timed Update	6/12/2019 8:00:4...	31.0 km/h	1.0	12	49 Henley Rd, Mount Eden, Auckland 1024, New Zealand
	Stationary to Move	6/12/2019 7:59:3...	0.0 km/h	1.0	12	[Mt Eden Yard (Adrian)], 13 Tenterden Ave, Mount Eden, Au...
	Health Check	6/12/2019 5:34:5...	0.0 km/h	1.0	12	[Mt Eden Yard (Adrian)], 13 Tenterden Ave, Mount Eden, Au...





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Thank you.