

VOLVO CONSTRUCTION EQUIPMENT

CARETRACK



• [Video](#)

CareTrack Telematics

Presented by the CareTrack Solutions Team

The CareTrack Solutions Center

Shippensburg, Pennsylvania





What is CareTrack?

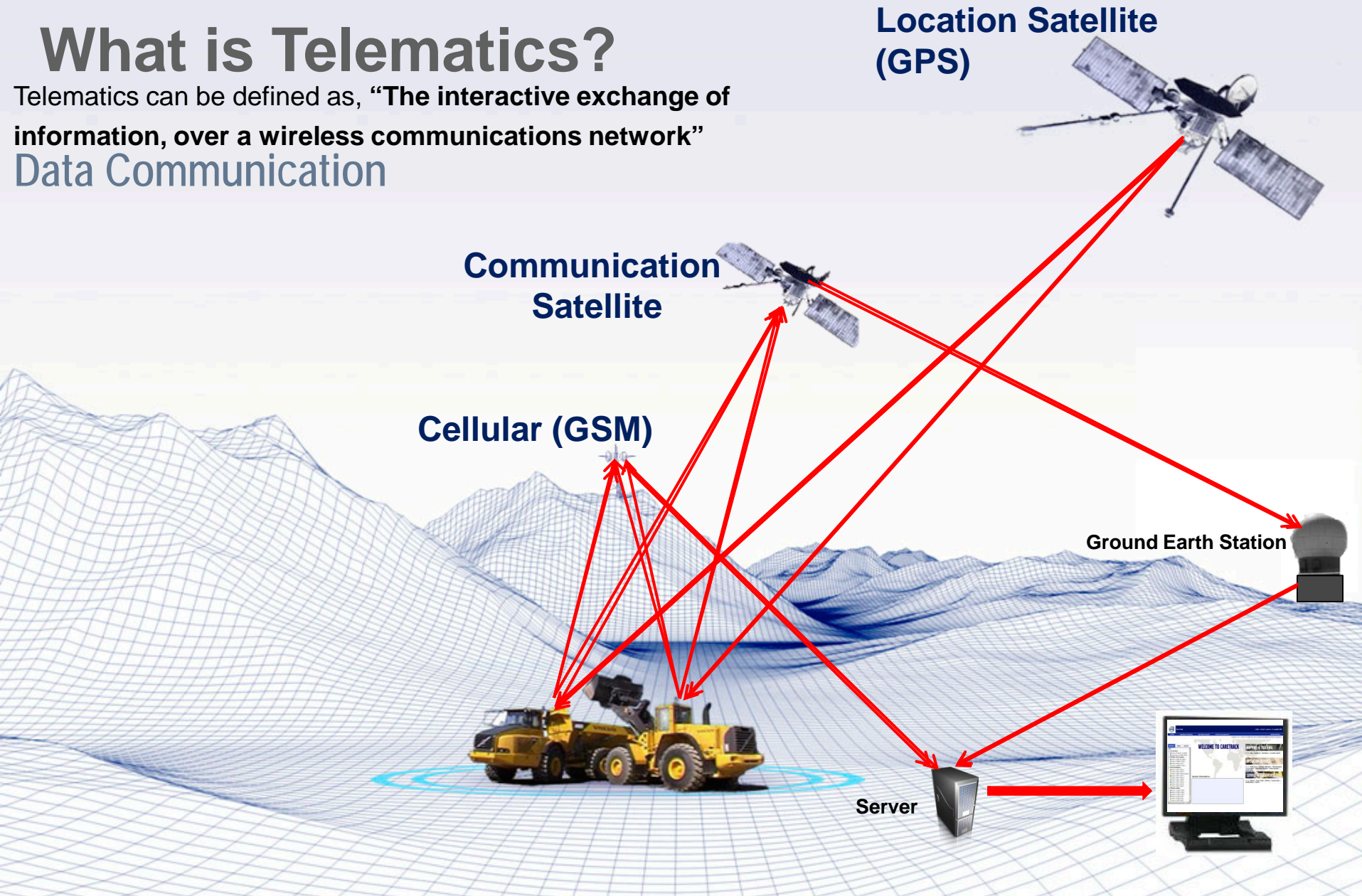


- Telematics system developed by Volvo CE for Volvo Construction Equipment customers
- Utilizes GSM (2G) cellular and satellite technology
- Enables remote access to machine data and location information
- Information available to users from any computer with an internet connection. Messages can be delivered via SMS or email.

What is Telematics?

Telematics can be defined as, “The interactive exchange of information, over a wireless communications network”

Data Communication



Major Components and Connection Points of the W-ECU

Communication
Satellite Modem

Auxiliary Battery



Communication
Satellite

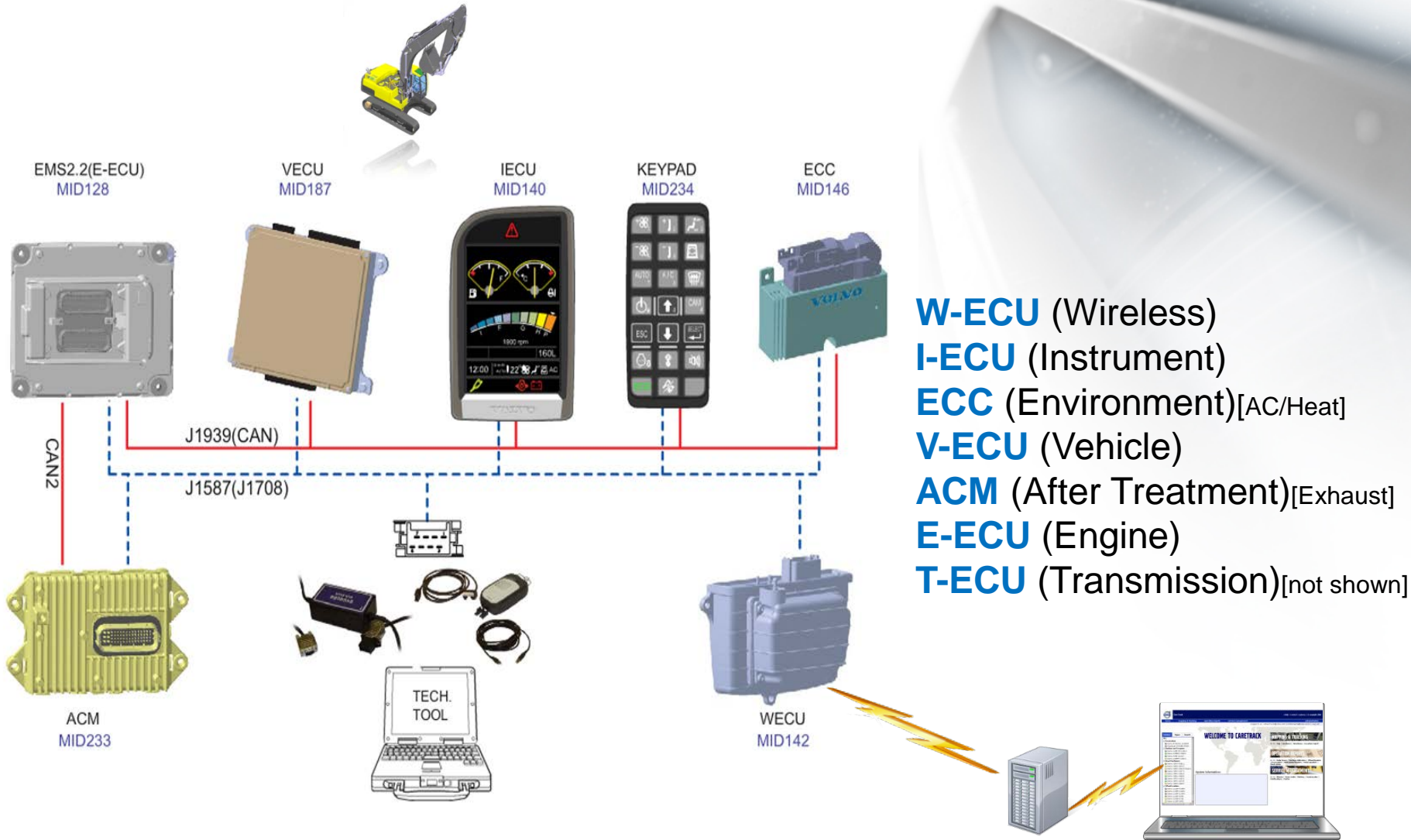
Wiring Port (future
expansion)

GPS Satellite

GSM Connection
(Cellular)

Wiring port
(power, other
ECUs)

Connection Points of the W-ECU





CareTrack is available in two versions

- Basic CareTrack
 - Can be fitted to any machine. (older Volvo, and any non-Volvo machines)
- Advanced CareTrack
 - Exclusive to some Volvo machines beginning 2004 (Volvo machines with electronically controlled Volvo engines)





CareTrack Features Overview

Basic

- Machine Location
- Machine hours
- Engine status
- Geo-fence & Time-fence
- Daily usage reports
- Service reminders
- Wear Parts Planning

Advanced (Basic plus)

- Real Time fuel level
- Machine Utilization information
- Alarms and Warnings
- Remote trouble shooting
- MATRIS reports
- Anti-Theft (future)
- Production Report (future)
- Brake Test (future)



Telematics Data Evolution

- M2M Technology
- Sunset of 2G (cellular) frequency for M2M
- Use of Data (Customers and Manufacturers)
- Data Security
- Sending of data to machine





Questions?

