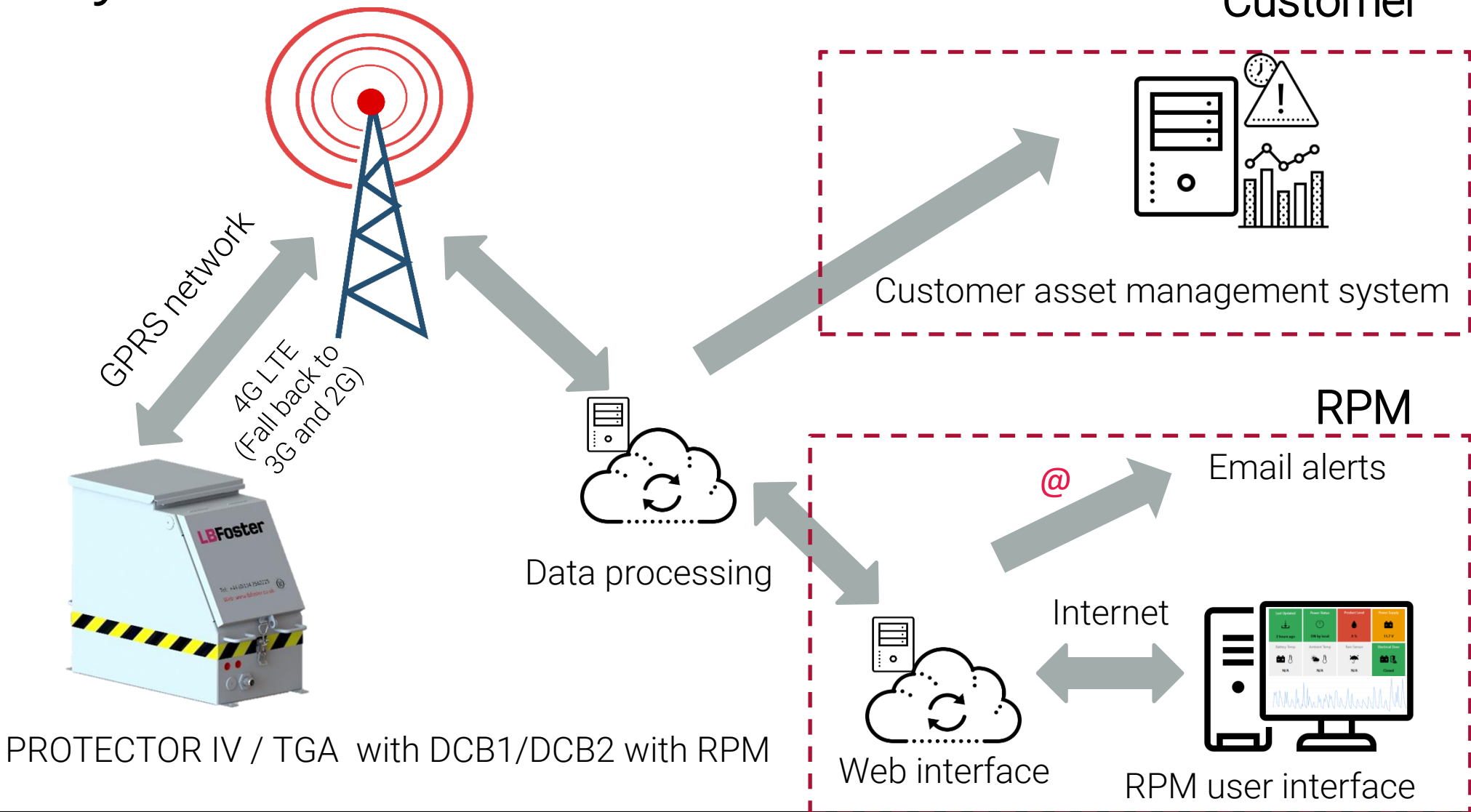


# REMOTE PERFORMANCE MONITORING (RPM)

EFFECTIVE REMOTE ASSET MONITORING

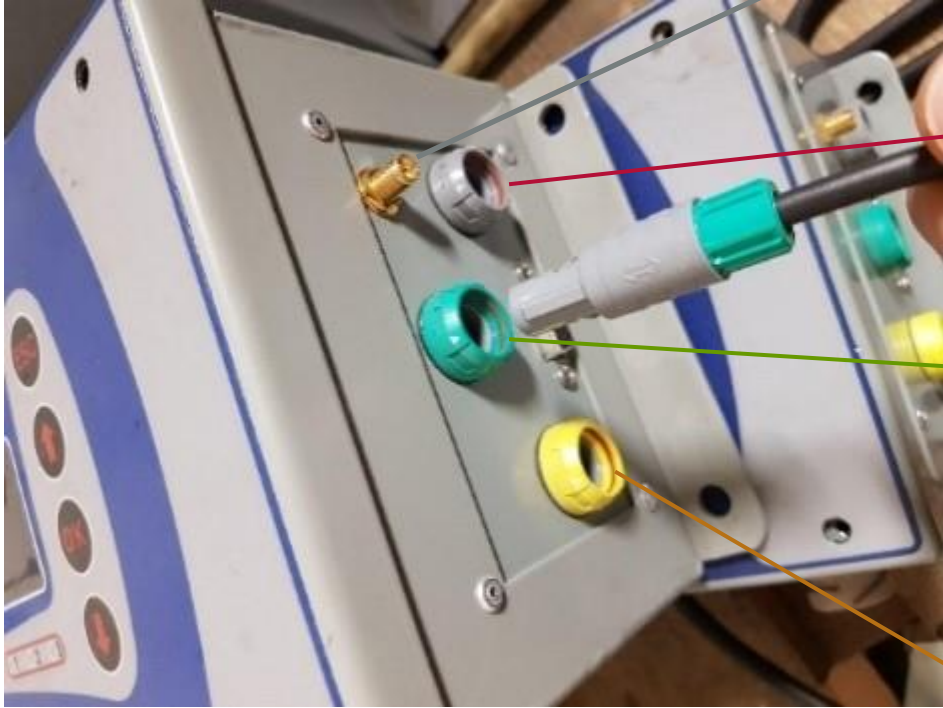
# RPM system



# Data transmitted from DCBII with RPM

- > Product Level
- > Temperature
- > Battery voltage
- > Pump motor activity
- > Unit settings
- > Pump run times
- > Wheel and train counts
- > Electrical and Product compartment access details

# DCB2 with RPM



Antenna connection

Product door  
sensor connection

Level Sensor  
connection

Electrical cabinet  
door sensor, and  
battery temperature  
sensor connection

# RPM Interface

- > Fully interactive and intuitive web portal
- > View all relevant unit status via configurable dashboards
- > Operational reports and downloadable data
- > Alarm status and email notification
- > Secure user access

The screenshot displays the RPM Interface web portal for a specific unit. The interface is organized into several sections:

- Unit Status:** A row of eight status cards: Last Updated (02/09/2022 09:00), Product Level (45%), Power Supply (14.18), Power Status (ON by local), Battery Temperature (C) (19.1), Ambient Temperature (C) (N/A), Electrical Door (Closed), and Product Door (Closed).
- Last Train:** A section showing train activity: Last Train (02/09/2022 09:29), Last Train Direction (B -> A), Duration (33 Seconds), and Wheels (20). Below this are Battery Voltage Min (11.4 V), Battery Current Average (8.8 A), and Detected Pump Cycles (1).
- Asset Details:** A table listing unit information:

Asset Type	Trackside FM
	└ System
	└ GF Trackside System
Ownership	Network Rail
	└ East Midlands
	└ Derby
Common Name	Derby - SPC8 Telegraph, 128m 468y
Internal Identifier	T004239
Status	Active
Milepost	N/A
L#	L21441
Gauge	Single Gauge
Designation	Primary
Power	DC Solar
Collector	Cell
- Location Details:** A table showing geographic information:

Latitude	52.92362
Longitude	-1.46607
Location	SPC8 Telegraph, 128m 468y
Timezone	(UTC+01:00) Dublin, Edinburgh, Lisbon, London
- Settings:** A table of configuration options:

Auto GPS Enabled	No
Direction	A,B same
Wheels per Activation	16
Pump Time Per Activation(s)	0.25
Locomotive Wheel Skip	0

# Thank you