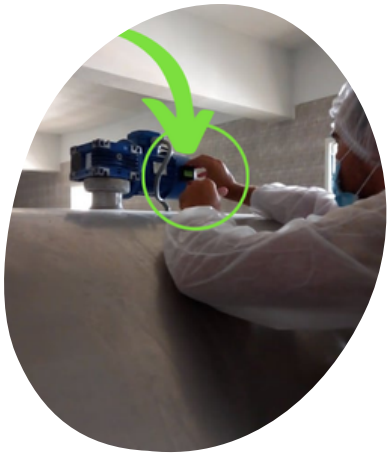
MooMe

By Africans
For Africans.

MANAGEMENT SOLUTION FOR MILK COLLECTION CENTERS

Data-Driven Dairy Farming for Africa

Improving milk reception and storage conditions is at the core of our expertise.
The role of our technology is to prolong the life of the milk and preserve its quality, by ensuring the detection of any deficiency during the cooling processes and the cleaning of milk tanks.



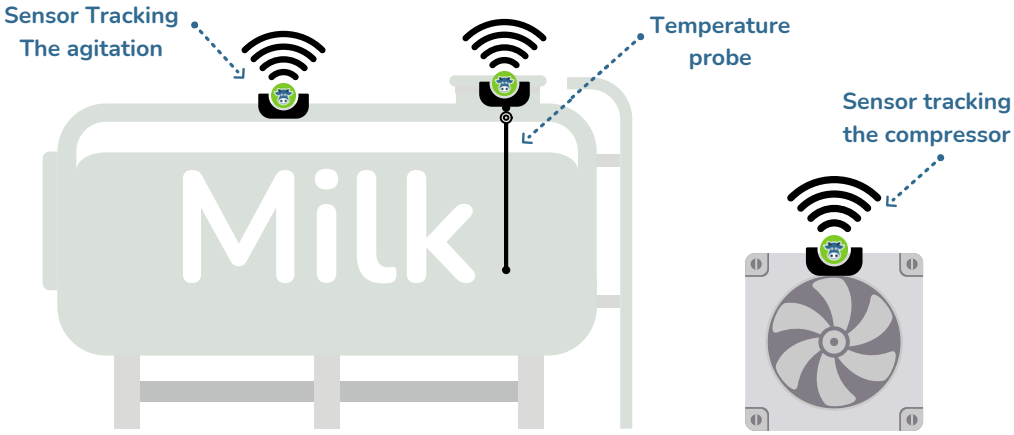
Features

Services	Support	Maintenance	Quality	Quality +
Cooling problem VentilatorN°1 to 4	App.Mobile + Web + SMS* (On Request)	✓	✓	✓
Agitation problem N°1 to 3		✓	✓	✓
Electrical power Network problem (Phase drop)		✓	✓	✓
Cooling problem			✓	✓
Over Cooling problem			✓	✓
Cleaning compliance: absence or insufficient T°			✓	
Absence of cleaning				✓
Non-compliant cleaning temperature				✓
Cleaning pump problem				✓
Milk volume (0%, 50%, 100%) (Beta)	App.Mobile + Web			✓
Milk Reception/ Tank Filling (Beta)				✓
Milk sending/ Tank unloading (Beta)				✓
Dashboard et Reporting multi Tank			✓	✓
Internet connexion / equipment problems	All		✓	✓

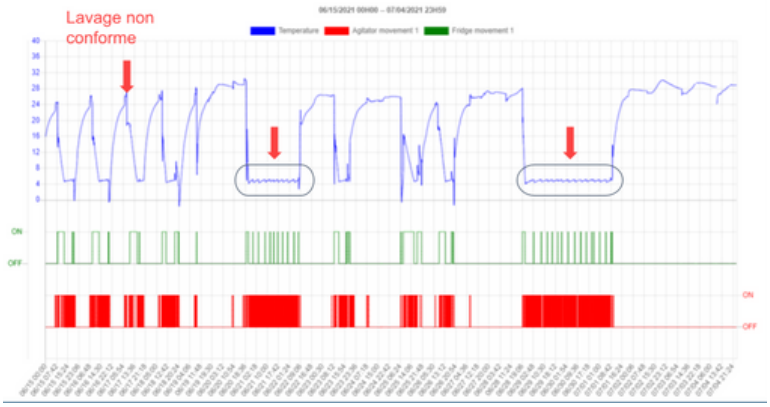
Management of the collection at the Peddler level:

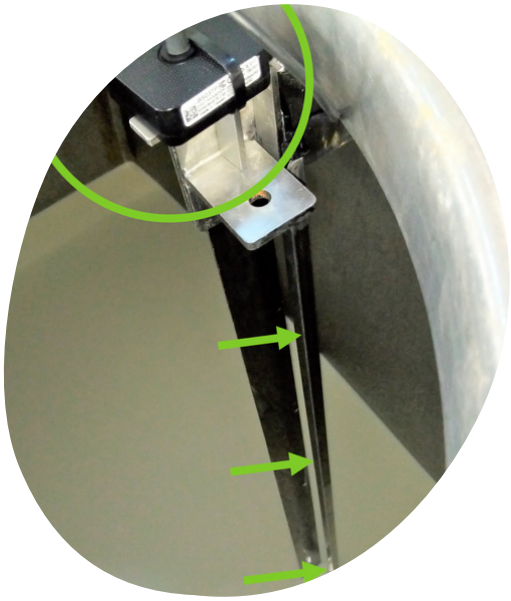
Services	Support
Monitoring of milk temperature	App.Mobile + Web + SMS
Follow-up of the reception and unloading of milk	
Follow-up of cleaning operations	
Milk volume (0%, 50%, 100%) (Beta)	

Sensors Pack Setup



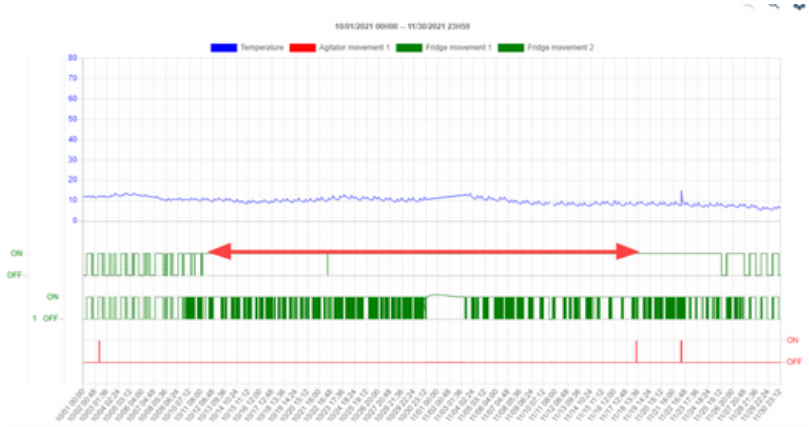
Example1: Detection of a non-compliant wash





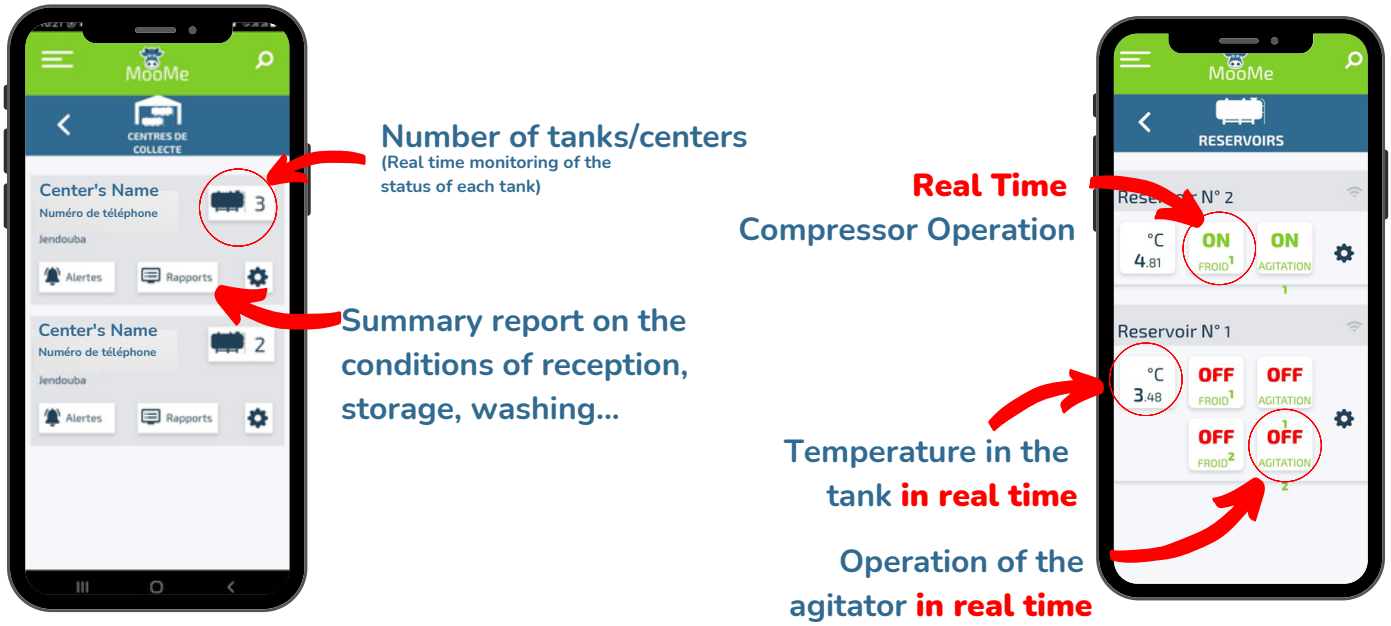
The monitoring of the evolution of the water temperature of the washing process made the detection of the non-conformity of the operation possible on a real-time basis.

Example2: Case of energy waste



Diligent monitoring of the compressor activity led to the detection of a waste of energy: The compressor was on for a long period of time when it was supposed to be off.

How it works ?



N.B: The mobile application is available on Playstore and AppGallery

Technical parameters of the temperature probe

Battery life	3.2 years of autonomy (ADV interval of 30s)
Battery	CR2450 x 1
Operating temperature	-50°C à 150°C
Waterproofing	IP67
Bluetooth®	Low Energy Bluetooth 5 (BLE5)
BLE range	100M

Technical features of the Milk volume sensor

Battery life	1.8~2.8 years of autonomy (ADV interval of 60s)
Battery	CR2450 x 1
Operating temperature	-20°C to 75°C
Waterproofing	IP67
Bluetooth®	Low Energy Bluetooth 5 (BLE5)
BLE range	100M
Distance measurement	10cm ~300cm

Technical features of the Cooling sensor

Battery life	1 year of autonomy (ADV interval of 5s)
Battery	CR2450 x 1
Operating temperature	-20°C to 75°C
Waterproofing	IP67
Bluetooth®	Low Energy Bluetooth 5 (BLE5)
BLE range	100M

Technical features of the Gateway

WIFI (Support for 802.11b/g/n).	
Humidity	Humidity Max 95%, non-condensing, relative humidity
Operating temperature	-20°C to 60°C
Waterproofing	IP67
Bluetooth®	Bluetooth support Low Energy (long range mode)
Capacity	Can read up to 200 BLE devices at the same time
Coverage radius	200 M

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