

# TcP<sup>®</sup>

## PIERALISI TELECONTROL

Remote control of decanter centrifuge



## TcP - Pieralisi Telecontrol

Pieralisi Telecontrol monitors the mechanical and electrical functionalities of the decanter centrifuge 24/7.

The customer can monitor, everywhere and at any time, the correct operation of the centrifugal extractor, receive real time alerts for maintenance and possible anomalies.

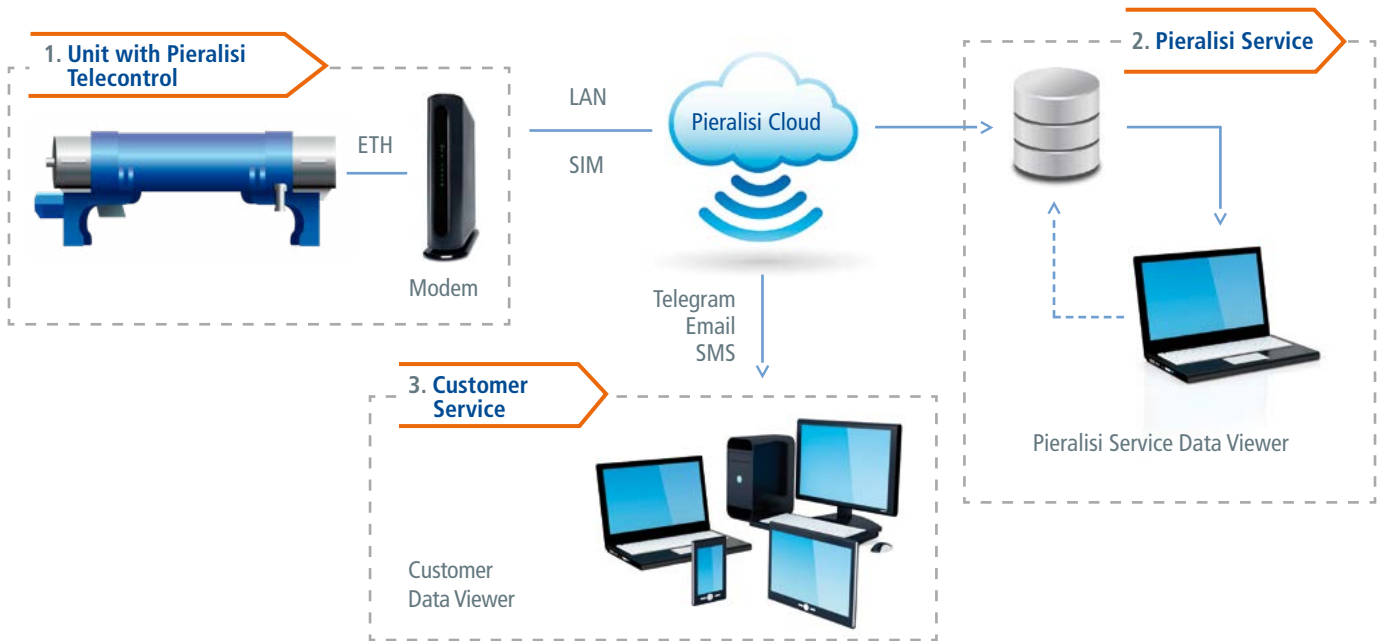
Furthermore, Telecontrol allows Pieralisi service department to make preventive diagnosis remotely, give quick and efficient phone assistance and suggest any process optimisation side.

In combination with Pieralisi Maintenance Program, Telecontrol ensures the decanter lifetime, maintenance cost savings and reduction of machine-stops.

### Benefits

1. Remote view of operation parameters
2. Optimization of preventive replacement of components, which will happen only when strictly necessary
3. Possibility to diagnose and solve problems remotely with Pieralisi service, without intervention on site
4. Any anomalies and maintenance notifications by SMS, email and Telegram
5. Possibility to store the decanter centrifuge operating data and configurations.

### How it works



#### 1 Unit with Pieralisi Telecontrol

Pieralisi Telecontrol System monitors the PLC variables and transfers them in real time, with high reliability and security, to Pieralisi Cloud, which then stores all the acquired data.



#### 2 Pieralisi Service

Pieralisi Service analyses the real time data transmitted as well as the stored ones. Then, it can interact remotely with the unit to provide assistance, diagnose anomalies and propose the right maintenance and optimization.



#### 3 Customer Service

The customer, thanks to a dedicated account, can access the cloud to view the unit data in real time using any internet-connected device (pc, laptop, tablet, smartphone). In addition, the customer can receive alert and maintenance notifications by SMS, email or Telegram.

### For info and activation

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Pieralisi Telecontrol can be installed on **electromechanical control panels** or on a **pre-existing PLC** and it can also be integrated with the latest **Pieralisi FMC control panels**.

## ELECTROMECHANICAL CONTROL PANEL



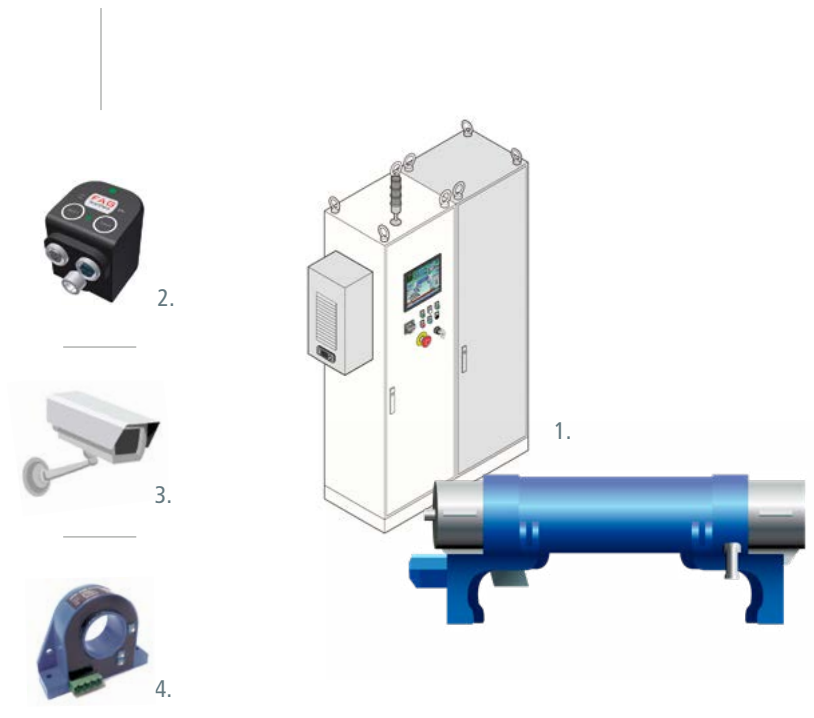
### Composed of

1. Auxiliary panel for data acquisition from the unit sensors, dedicated PLC and modem
2. FAG devices for bowl bearings diagnosis
3. Kit of IP cameras (*optional*)
4. Amperometric transformers on main and secondary drives

### Active Monitoring

- Vibrational diagnosis
- Working hours
- Main and secondary engine absorption
- Visual analysis with IP camera (*optional*).

## PIERALISI FMC CONTROL PANEL



### Composed of

1. Module for data acquisition and transmission to be included in FMC control panel
2. FAG devices for bowl bearings diagnosis
3. Kit of IP cameras (*optional*)

### Active Monitoring

- Vibrational diagnosis
- Working hours
- Main and secondary engine absorption
- Visual analysis with IP camera (*optional*)
- Bowl and scroll rotation speed
- Set and actual differential speed
- Bowl bearings temperature and secondary motor area
- Torque monitoring.



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