

THE PIVOT

IMS : Irrigation Management System



- Managing irrigation from pivot control panel.
- Managing irrigation from computer (software).
- Monitoring and control (start, stop, reverse etc.) of up to 99 central pivots.
- Remote overview of the pivots on a map with multiples views user interface.
- Remote control of irrigation parameters (speed, rate, etc...).
- Management of up to 20 sectors with different schemes of irrigation (rate, fertilizers application, end gun, start/stop, overhand start/stop, etc...)
- Text message notifications for critical status changes.



This system is based on data transfer via GSM network. When Radio frequencies are strictly controlled especially in military areas, GSM network is easily accessible through national operators with relatively good coverage.

The link between central pivot and computer is bi-directional: it allows monitoring the pivot and setting-up irrigation programs remotely with full access to all functions of the control panel.

The user is informed of the remaining time and arrival time for the ongoing sector or for the full ongoing irrigation program. Incidents and defaults are also displayed of the software (pressure drop, electrical defaults...).

The technology also allows text message notification (SMS) directly from the pivot when a default or incident occurs. IMS technology requires PIVOCONTROL panel on the pivot, in which is plugged an electronic board connected to a GSM module.

