

LIM is a software solution for utility companies that relies on manual reading of utility meters. The software solution combines mobile and network technologies to minimize the reading errors and maximize the operational time of the work force.

LIM combines OCR components specially designed for utility meter readings and recognition, RFID for meter individualization, GPS data of every recorded field operation, and customizable business rules to validate every reading in real time.

Main features:

- Can be installed and used in conventional smartphones, and in industrial smart readers
- No modifications of utility meters are needed
- The meter identification and reading are carried out by digital methods
- Every reading is validated on the fly using configurable business rules
- Track every field worked during work hours
- Utility companies can enable the interfacing of routes and meter data from existing ERP software, and receive the readings and updates in real time
- Since every reading can include photos of the meters, the operators can verify the condition of the installed hardware
- Can work in offline mode, for sites and places that have poor or no network access

The screenshot displays the LIM web application interface. On the left, there is a 'Tablero Operativo de Lotes' (Operative Lots Dashboard) with a table of lot data. The table includes columns for 'Lote', 'Medidores', 'Leídos', and 'Completado'. The right side of the interface shows a map view with a route of meter locations marked by numbered icons. A pop-up window displays details for a specific meter, 'Emilio Escher 2329', including its MGS number 'MGS004046'.

Lote	Medidores	Leídos	Completado
0620200 11-2018	5	5	100%
0320200 09-2018	647	643	99%
0220200 09-2018	312	300	96%
0190300 03-2020	486	6	1%
0120200 10-2018	403	400	99%
0040100 10-2018	615	39	6%
0020200 10-2018	526	502	95%

Components:

The solution has two main applications

- 1) Mobile app that can be used for enrolling the physical meters and for actual meter readings
- 2) Web app for central management. From any web browser, the operators can review the routes, meters, readings, work force and synchronization with external enterprise software solutions

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