

ASSET MANAGEMENT SOLUTION

IMPROVING BUSINESS PERFORMANCE IN TEST ENVIRONMENTS

CHALLENGES OF A TEST ENVIRONMENT

Engineers must meet tight development deadlines with the utmost efficiency. Yet too often engineers get sidetracked searching for the test equipment that they need. This is valuable time that could be spent developing new products. With no clear visibility of the company's test assets, engineers often raise purchase or rental requisitions to facilitate urgent projects, thus acquiring equipment already owned and not in use.

Challenges like these delay projects and negatively impact time to market and return on invested capital. Labs quickly become technology graveyards of unused equipment, taking up valuable space and accumulating hidden costs of ownership like insurance, property tax, and depreciation. Many lab managers lack a clean, efficient process for monitoring the maintenance, calibration, location and disposal of unused assets. Worse yet, many obstacles arise when attempting to implement an asset management solution, such as limited expertise and bandwidth, insufficient asset tracking systems, or poor visibility into the scope of the problem.

THE ELECTRO RENT ASSET MANAGEMENT SOLUTION

Reduce spending
on test equipment
and speed your
time to market

Electro Rent offers a comprehensive asset management solution that helps you lower costs and reduce development times. The combination of our LEO software, deep expertise in test asset management, and extensive test equipment data enables you to run your test operations efficiently and effectively.

LEO can reduce spending on test equipment and speed your time to market by providing the tools to:

- Increase utilization from <30% to as much as 70%
- Identify and sell/rent excess assets; applying credit to leading edge equipment and LEO software implementation
- Enable engineers to find test assets in seconds vs days, resulting in faster time to market
- Redirect test equipment spend to leading edge technologies
- Open up and organize lab space
- Reduce hidden costs: property tax, calibration and repair, finance charges, etc.
- Improve return on invested capital

The Electro Rent asset management solution is aligned with ISO 55000 standards released in January 2014 for deploying an integrated, effective asset management system.

KEY FEATURES & BENEFITS

COMPLETE VISIBILITY OF TEST ASSETS

By storing inventory data in one centralized location, you have complete visibility of all relevant details regarding an asset including its exact location, assigned users, scheduled projects, calibration deadlines, and more.

Additionally, lab managers can efficiently plan test schedules and allocate assets to specific engineers and designated test projects.

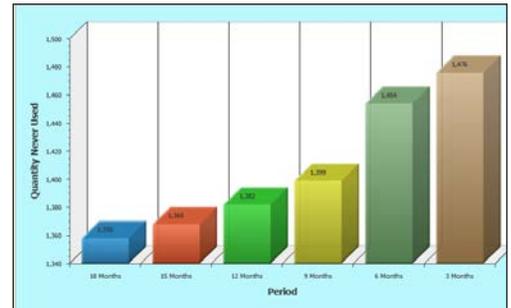
View all asset details:
exact location,
assigned users,
scheduled projects,
calibration deadlines,
and more

Model	Description	Location	Project	Condition	Last PM Date	Next PM Date
HP8648C	AGILENT (HP) 1.2GHZ SYNTHESIZED SIGNAL GENERATOR	Lab 1	SLX-1	Mike Fearon	27-Jan-12	27-Jan-14
HP8648C	AGILENT (HP) 1.2GHZ SYNTHESIZED SIGNAL GENERATOR	Lab 1	SLX-1	Mike Fearon	31-May-13	31-May-15
HP8677B	AGILENT (HP) 2.5GHZ SYNTHESIZED SIGNAL GENERATOR	Bay Lab	GTK	John Cousins	04-Oct-11	04-Oct-12
HP8663A	AGILENT (HP) 2.5GHZ SYNTHESIZED SIGNAL GENERATOR	Bay Lab	GTK	John Cousins	21-Aug-13	21-Aug-14
HP8663A	AGILENT (HP) 2.5GHZ SYNTHESIZED SIGNAL GENERATOR	Lab 1	SLX-1	Mike Fearon	23-Aug-13	23-Aug-14
HP8663A	AGILENT (HP) 2.5GHZ SYNTHESIZED SIGNAL GENERATOR	Lab 1	SLX-1	Mike Fearon	27-Aug-13	27-Aug-14

Easily download complete asset details into Microsoft Excel.

IDENTIFY & SELL UNDERUTILIZED ASSETS

Rapidly determine which assets have not been used within the last 3-18 months. By selling these assets while they still have value, you can fund more appropriate test and measurement equipment. Plus, you will free up valuable lab space and avoid incurring hidden costs such as depreciation, property tax, calibration, and insurance.

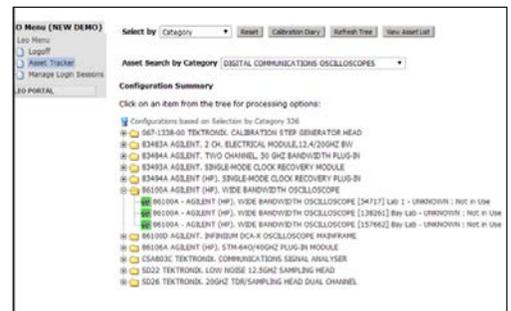


Identify and sell unused assets to fund state-of-the-art technology.

LOCATE TEST ASSETS IN SECONDS

Finding test assets quickly helps speed up development time and eliminates duplicate, unnecessary purchases.

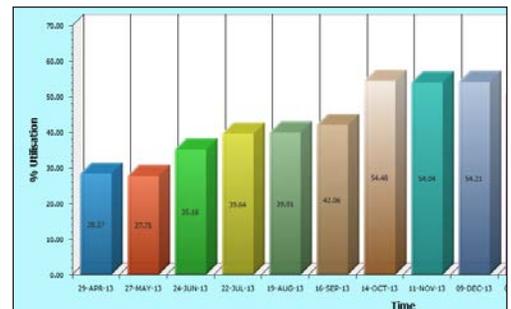
Drill down by product category and model number to find the precise equipment you need and important data like quantities available, exact locations, and future project assignments.



Drill down by product category to see all asset details in seconds.

IMPROVE PERFORMANCE WITH INVESTMENT DASHBOARDS

Complete visibility of your assets provides the user with the ability to make informed purchase decisions. LEO dashboards allow you to monitor key metrics such as asset utilization, idle assets, and calibration status as they improve over time.



Monitor key metrics and take action with investment dashboards.

CONTROL THE CALIBRATION PROCESS

Lab managers can see which projects an asset is assigned to and decisively plan out maintenance and calibration schedules. Understanding which stage an asset is at in its lifecycle enables more informed purchase decisions for future projects.

Click in Month Header to View Month Diary		MAR 2014	APR 2014
60115, E3661A, NYA, Harrow			
60115, 4317A02413, AGILENT. 26.5GHZ SPECTRUM ANALYSER, Lab 1		1	
60116, E3661A, NYA, Harrow			
60116, 51737, AGILENT. POWER SPLITTER, Lab 1			
60116, 07583, AGILENT. 50 OHM POWER SPLITTER, Lab 1			
60116, 968, AGILENT. HIGH PASS FILTER, Lab 1		1	

Assign assets to projects and manage calibration schedules.

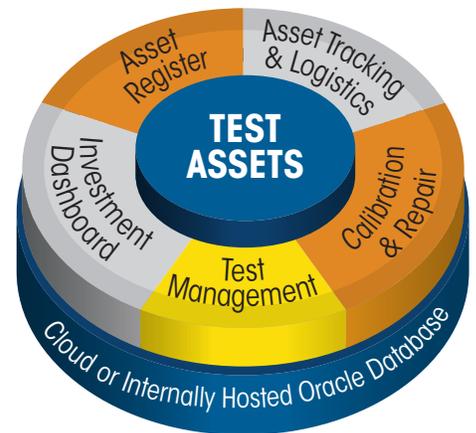
LEO SOFTWARE

5 core modules, catered to your exact needs

LEO software is a simple way to gain total control over your assets and improve test efficiency. Electro Rent is an Oracle Gold Partner. LEO utilizes the Oracle database and is compatible with all other major ERP financial systems including SAP and Oracle Financials. LEO's database server runs on a wide range of hardware platforms and can be hosted either internally or in the cloud.

KEY LEO MODULES

- **Asset Register** - Audit, tag and input all assets into Asset Register. Data is then cleansed, summarized in easy to understand graphs and imported into a centralized database.
- **Asset Tracking & Logistics** - Seamlessly track assets through their entire lifecycles.
- **Calibration & Repair Management** - Create and review asset calibration and maintenance schedules.
- **Test Management** - Schedule and manage specific test projects by assigning assets and engineers.
- **Investment Dashboard** - Monitor key performance indicators of your business to make informed decisions.



LEO TECHNICAL ARCHITECTURE

ORACLE TECHNOLOGY SUMMARY

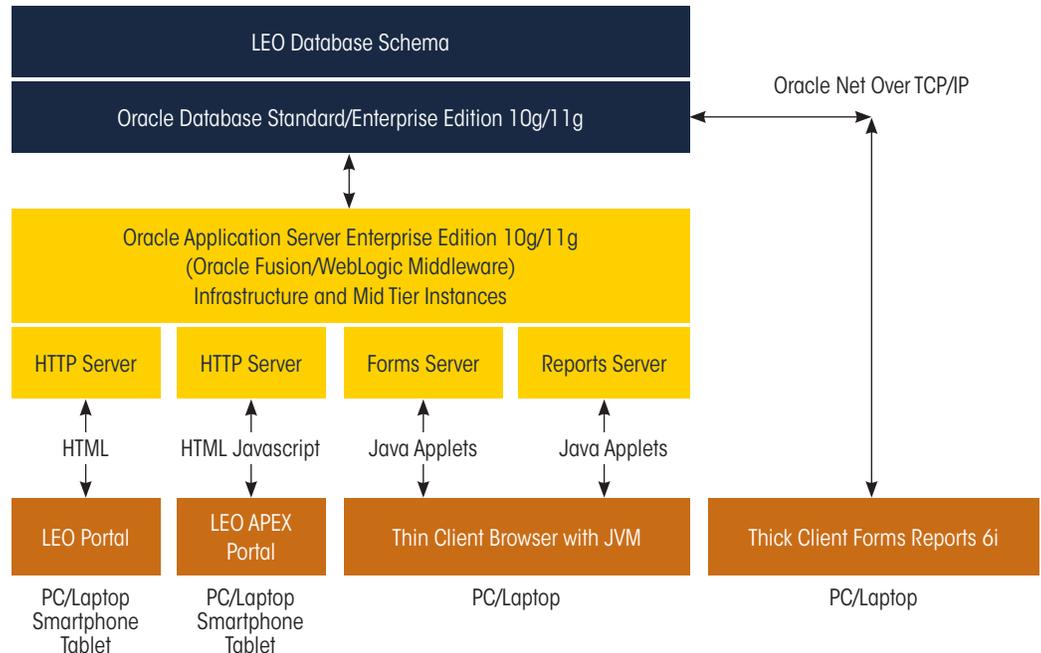
LEO runs on an Oracle database and the Oracle Fusion/WebLogic middleware technology. All Oracle technology can be embedded into the standard LEO license, so no additional Oracle licenses are required for implementation. As an Oracle Gold partner, Electro Rent has over 30 years of experience supplying, installing, and supporting Oracle technology, so you don't have to. The following are key technical features of LEO with regards to Oracle technology:

- Open database model compatible with SAP, Oracle Apps, and other major ERP and financial systems
- Supports Service Orientated Architecture (SOA) in line with Oracle Apps SOA infrastructure
- Can be tied to the Oracle Single Sign On (SSO) security infrastructure
- SQL, ODBC, and JDBC compliant and accessible by reporting tools such as Cognos, Hyperion, Crysta, Excel, Access, and more
- Embedded LEO Data Viewer and Dashboards available

CURRENT MODES OF OPERATION

Oracle technology supports LEO in four operational modes, as depicted in the diagram below:

- Thick client (client-server) mode with traditional Oracle Forms/Reports (PC or laptop)
- Thin client mode with Java enabled web browser (PC or laptop)
- LEO HTML portal mode (PC, Laptop, Tablet, or Smartphone)
- LEO APEX (Oracle Application Express) portal mode (PC, Laptop, Tablet, or Smartphone)



OPTIONAL DISTRIBUTED ARCHITECTURE

With additional licensing and service configurations, a distributed architecture model is available wherein main and subsidiary databases replicate and synchronize over secure wired and wireless infrastructure. This type of model is particularly suited for robust multi-site configurations, mobile laptops or tablets, or military environments with limited communications links.

A PARTNER YOU CAN TRUST, EXPERTISE ALWAYS AT YOUR SIDE

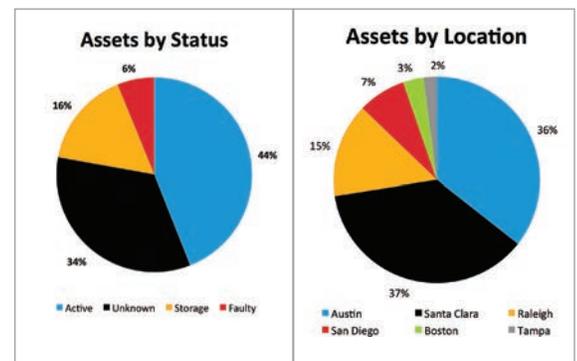
For over 30 years, Electro Rent has been managing large inventories of test and measurement equipment throughout North America, Europe, and Asia. We've also controlled demo pools for major test equipment manufacturers for over a decade. Our customers are global leaders in developing state-of-the-art technology and proudly rely on and partner with Electro Rent to manage their test and measurement inventories.

Your Electro Rent engagement team will work side by side with you to evaluate and implement your customized asset management solution, and ensure you're always in control of the process.

OUR PROCESS

In-depth audit
summarized
into easy to
understand
graphs

The Electro Rent asset management solution begins with an in-depth audit of your test equipment and asset management processes so we can fully visualize the scope of both your challenges and your opportunities. Our team will evaluate your inventory by tagging and recording every piece of equipment. We then assign values to each of those assets and import the clean data into our LEO software. This allows us to accurately analyze your situation, identify areas for improvement, and propose a world-class test management process redesign.



Implementing the LEO asset management software is simple and catered to your specific requirements. Plus, you'll never be without the valuable knowledge needed for successful asset management. Electro Rent provides ongoing training and support for key users, as well as consulting for the implementation of your customized asset management strategy.

CONTACT

For more information on Electro Rent asset management, please contact us at www.electrorent.com or one of the following locations:

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