

Partners in the Petroleum Industry

How the Air Force Petroleum Agency Uses STARLIMS to Support Fuel Quality for our Space and Aviation Programs from manufacturing all the way to the battlefield.



“Security features embedded in STARLIMS protect critical information while ensuring that our laboratory results are transmitted immediately over secure internet connections”

Mr. Roy Wurzbach, Chief, Aerospace Fuels Laboratory, Vandenberg AFB CA.

“STARLIMS centrally manages samples and streamlines associated laboratory processes to allow us to provide real-time analytical quality data and has greatly enhanced our ability to serve as Service control point for all aerospace fuels and related products for AF weapon systems worldwide.”

Mr. Dave Fisher, Chief, Laboratory Division, Air Force Petroleum Agency

Harmonization the Key

A full person-year of system support eliminated by harmonizing specs and methods in real time

3000 users rely on easy browser-based access for data entry.

Data consolidation time trimmed from one month to real-time.

Better Product Quality

Accelerated fuel release keeps the United States moving through space, air, sea, and land.

Streamlined Communication

Rapid identification of problems with fuels and pilot oxygen supplies critical results efficiently

Highest Level of Data Security

Certification under the rigorous Department of Defense DIACAP standards ensures data security

AFPA Challenges

- De-centralized databases greatly impacted quality surveillance of fuel system infrastructure
- Weeks required in identifying source of quality failures
- Sample tracking and report generation slow, labor intensive and expensive
- Managers must respond to dozens of sample status calls per week

STARLIMS Provides

- A Centralized web-based system with a single database structure and real time notification of quality issues
- Easily accessible sample tracking and test status information
- Single point administration of methods and specs information

AFPA RESULTS

- **95% reduction in time required to process off-spec test results**
- **Resolution of quality failures possible within minutes of data release**
- **15% time savings for each manager**
- **Real-time report distribution via e-mail**
- **Sample status available instantly without manager involvement**
- **1 person-year of support eliminated**
- **Unified method and specification versions ensure consistency of testing process**
- **Accurate, standardized and accessible data ultimately gives managers the confidence for go/no go decisions all the way to the warfighter**
- **Data consolidation occurs real-time**
- **Data merging completely eliminated**

- Test methods and specs updated manually at all testing sites

- Inconsistent nomenclature severely limited reporting of testing metrics
- Lack of standardized results data shifted decision making emphasis to subjective management experience

- One month required to manually merge sample data with main system

- A harmonized system with consistent nomenclature
- Standardized assays, specifications and product testing plans

- Automated and web based results entry in real time

To learn more about how STARLIMS can help you streamline and optimize your laboratory, please contact us at optimizeyourlab@starlims.com or (954) 964-8663.