Our Story

Founded in 2014, APIX Analytics is a gas chromatograph manufacturer delivering cutting-edge solutions that redefine precision and reliability.

From our Grenoble headquarter to our advanced manufacturing facility in Pau, we design and produce systems proudly made in France. We specialize in miniaturized, modular gas chromatography (GC) solutions, leveraging breakthrough technologies like our patented Nano Gravimetric Detector (NGD) to deliver unmatched precision, efficiency, and reliability.

With over 1,000 gas chromatographs sold worldwide, our technologies excel in applications ranging from natural gas and biomethane to hydrogen and pollutant analysis. Our team of over 30 skilled professionals ensures exceptional quality and client-focused service, supported by a global network of trusted partners and distributors around the world.

Wherever you are, Europe, USA, Africa, South America, or Asia, APIX Analytics is your partner for sustainable, high-performance chromatograph analysis solutions.

2014
APIX ANALYTICS FOUNDED

+15
COUNTRIES

+1000
GC RUNNING

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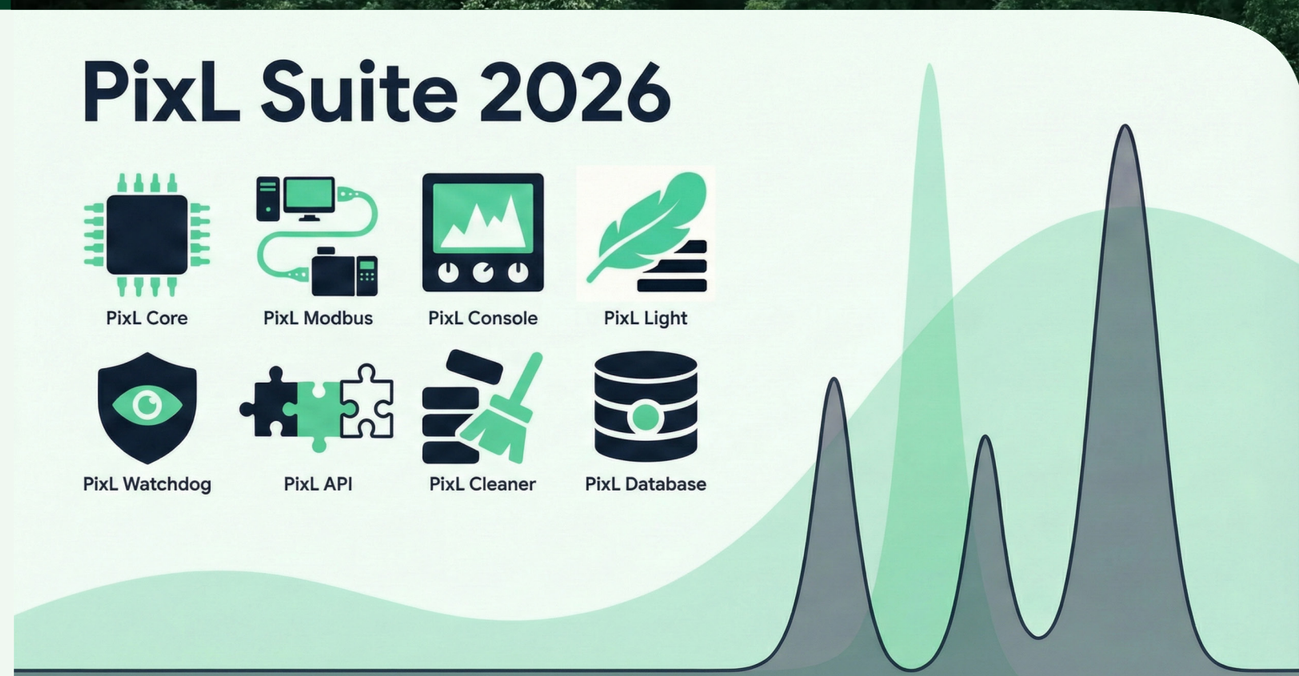
APIX ANALYTICS

PixL Suite

SOFTWARE

Modular. Secure. Connected.

The Next Generation of Analytical Intelligence



PixL Suite 3.X represents a major leap forward in software for industrial analysis. Designed as a modular and configurable ecosystem, it ensures your operations are precise, secure, and future-proof. Now fully compatible with GreenPix, ChromPix, and ChromEx analyzers, this suite brings modern web technologies and enhanced cybersecurity to your laboratory or plant.

A Dual-Interface Experience

PixL Suite 3.X adapts to the user, not the other way around. Both interfaces are web-based and accessible from any device (PC, Mac, Tablet).

PixL Light | For Routine Operations

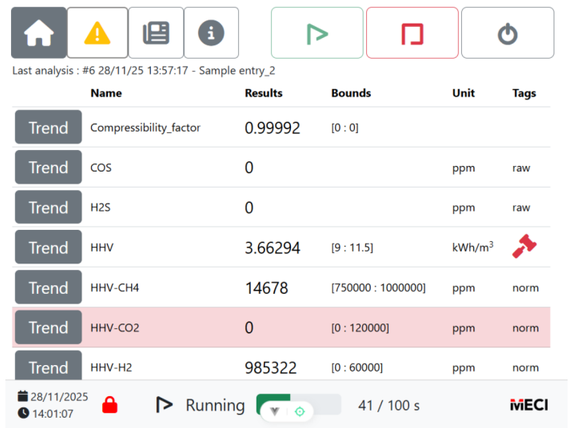
A simplified graphical interface designed for operators who need answers fast.

Touch-Ready: Optimized for touchscreen use depending on the analyzer model.

Visual Clarity: Direct access to instant measurements with intuitive color coding for out-of-bounds areas.

Essential Monitoring: View trends, manage alarms, and filter event logs by time or theme (metrology, cybersecurity, user).

Simple Control: Easy Start/Stop controls and intuitive navigation.



PixL Console | For Experts & Maintenance

An advanced environment offering deep control for technicians and engineers.

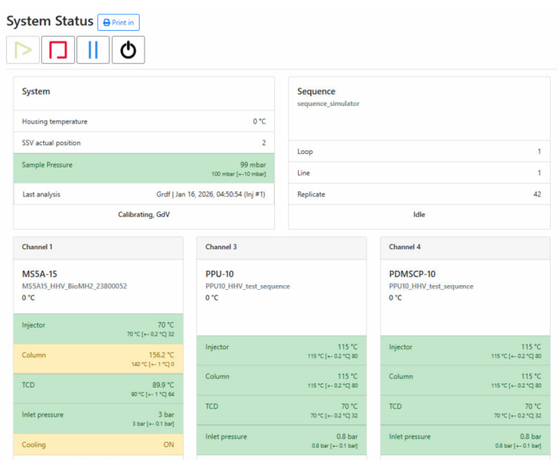
Total Control: Manage analytical methods, sequences, and processing parameters.

Real-Time Visualization: View chromatograms in real time with overlaid or stacked display modes.

Advanced Maintenance: Perform calibrations, verify accuracy, and adjust models based on standard bottles.

Smart Tools: Includes graphical assistants for placing peak search windows and optimizing backscan times.

Deep Dive: Review the entire database history with custom time-range filtering.



PixL Pro | The Analytical Core

The heart of the system, handling method parameters module by module.

Advanced Calculation: Automatically computes thermodynamic quantities including Density, Wobbe Index, Hydrocarbon dew point, and Total Sulfur.
Signal Processing: Features automatic peak readjustment to compensate for flow variations, alongside multiple smoothing algorithms.
Flexible Sequencing: Program analysis sequences with the ability to change SSV lanes or methods at every line.

PixL Database | Secure Storage

A relational database providing instant access to historical data.

Complete Archiving: Stores acquired chromatograms, methods, and associated measurements.
Traceability: Keeps a comprehensive record of alarms and event logs.

PixL Modbus | Industrial Communication

Facilitates transmission to third-party entities like PLCs or Supervisory Control Systems via Modbus protocol.

Simultaneous Operations: Supports communication over TCP/IP and multiple RS-232/RS-485 ports simultaneously.
Full Data Exchange: Transmits measurements, units, statuses, and alarms while receiving commands (START, STOP, ADJUST).
Customizable: Exchange tables are fully reconfigurable via text file.

PixL API | Modern Integration

A secure HTTPS programming interface (REST API).

Interconnectivity: Designed to interconnect various third-party systems securely.
Safe Data Access: Query the database for measurements without any risk of data corruption.

PixL Watchdog | Performance Guardian

Maintains overall system performance around the clock.

Auto-Recovery: Automatically restarts the PC or software if malfunctions, freezes, or stopped measurements are detected.

PixL Cleaner | Storage Manager

Ensures the system never runs out of space.

Automated Maintenance: Compresses data via daily zips and deletes old raw data and logs after configurable time limits.

Cybersecurity | Fortified Protection

Ensures the system never runs out of space.

Encrypted Communications: All traffic is secured via HTTPS, SFTP, and SSH.
Service Isolation: Critical services run in isolated Docker containers.
Hardware Security: Includes hard drive encryption, password-protected BIOS, and Secure Boot (on MIO-5152 Pcs).
Integrity Checks: Executables and firmware are protected by SHA-512 checksums.