

COMDAS™ Evolution

COMPLIANCE OPACITY DATA ACQUISITION SYSTEM

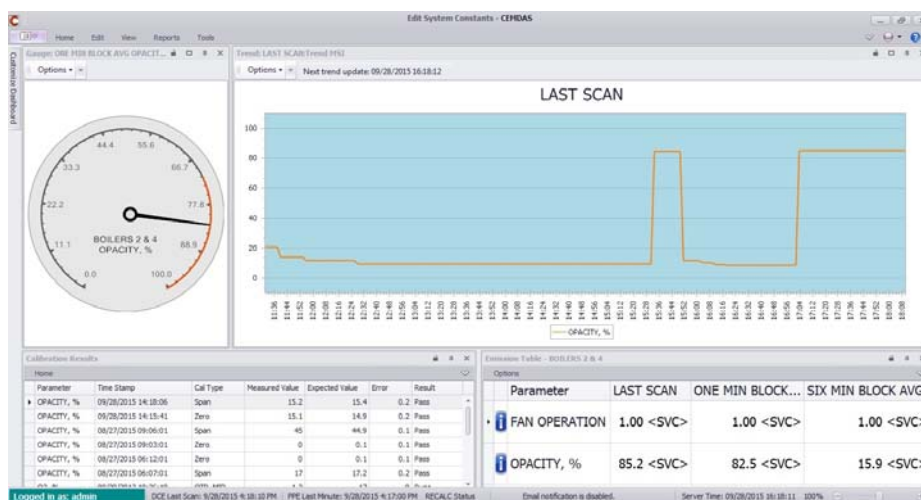
COMDAS Evolution is a complete PLC/PC based data acquisition system offering the most cost-effective way to record and report continuous opacity monitoring data for regulatory compliance.

Flexibility is the Key!

COMDAS Evolution is the next generation of an already superior package from Monitoring Solutions. With over a decade and a half of experience, customer feedback, and continuous improvements, Evolution takes COMDAS to the next level of performance, flexibility, and ease of use. Its advanced design is programmed in **Visual Basic.net**, utilizes a powerful **SQL database** and runs in the latest **Windows** operating system.

The first look at the graphical interface tells the story with a completely user-configurable dashboard - and every user can configure their own:

- > Choose what information you want to display
- > Choose how you want to display it: charts, graphs, gauges, etc.
- > Configure the placement of all the elements
- > Configure the layout of the tables



Finally, a DAS that looks and acts the way **you** want it to!

APPLICATIONS

- > New Opacity Systems
- > Retrofit of Existing Opacity Systems
- > Simple Parametric Monitoring
- > Simple Predictive Emissions Monitoring
- > Other applications requiring simpler compliance recording and reporting

MONITORING SOLUTIONS

Complete source for all your Continuous Emissions Monitoring (CEMS) needs:

- > Both Dilution and Extraction type systems
- > Oxygen Monitoring Systems
- > Opacity Monitoring
- > Particulate (PM) Monitoring
- > Data Acquisition Systems (DAS)
- > Process Monitoring Systems
- > Calibration Gases

OFFICES

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A COMPLETE SYSTEM

PLC Based CEMCON System Controller

COMDAS Evolution utilizes Monitoring Solutions' CEMCON PLC controller system. Most typically an Allen Bradley Micro Logix PLC is utilized to interface between the COMS hardware and the COMDAS PC. CEMCON offers flexible I/O and communication with a plant's DCS or SCADA via analog, digital, or Ethernet I/P connections.

Powerful PC

COMDAS Evolution utilizes a powerful Dell™ desktop PC. This business grade PC is configured with a high-end processor, two large hard-drives configured in RAID, plenty of memory, and all the performance needed for superior operation. COMDAS Evolution arrives completely configured for a plant's permit recording and reporting needs.

Remote Access

COMDAS Evolution comes with two options for remote access to meet the needs of any number of users:

- **Remote desktop** application is standard for simple, occasional remote access.
- **Client-Server** version offers an advanced duplication of COMDAS across more than one computer.

Powerful Reporting

COMDAS Evolution comes with pre-configured reports guaranteed to meet EPA 40 CFR Part 60 requirements, and all special State requirements (i.e. PADEP and MI DEQ). Reports can be generated automatically or manually and saved to the greatest number of formats available including pdf, mht, rtf, xls, xlsx, csv, text, and image (bmp, gif, jpeg, png, tiff, emf, wmf).

No other package offers the flexibility to report the way **you** want to with selectable parameters, timeframes, and output formats. And no other package makes it as easy as COMDAS Evolution.

Superior Support

Only Monitoring Solutions stands behind its software with world-class service, training and support. A COMDAS Evolution service contract means the ultimate in priority support and customer response.

A standard software support contract includes:

- > 24/7 Unlimited Operation Support
- > 24/7 Emergency & Remote Support
- > Guaranteed On-Site Response Time
- > Free Version Upgrades
- > Annual Training
- > Field Service Discounts

FEATURES

The COMDAS Evolution package offers outstanding features to make your DAS experience more powerful and useful:

- > On-the-fly editing of alarms
- > **Email** alarms and reports
- > Rate Calculators to help prevent excess emission conditions
- > Simple editing of:
 - System Flags
 - Alarms
 - Emissions States
 - Process Codes
 - Bias and Historical Values
- > Simple Configuration of:
 - Cal Setup
 - Cal Timing
 - System Constants
 - Alarms
- > Real-Time and Historical Trending
- > Configurable User Permissions and Accounts
- > Automatic Backups
- > Automatic Report Generation

UPGRADE EXISTING CEMS

COMDAS Evolution will work with nearly any COM System on the market today. Upgrading to COMDAS Evolution can be a relatively inexpensive way to modernize an older COMS. A Monitoring Solution sales representative can ascertain the best upgrade path and present the most economical solution for your COsMS.

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