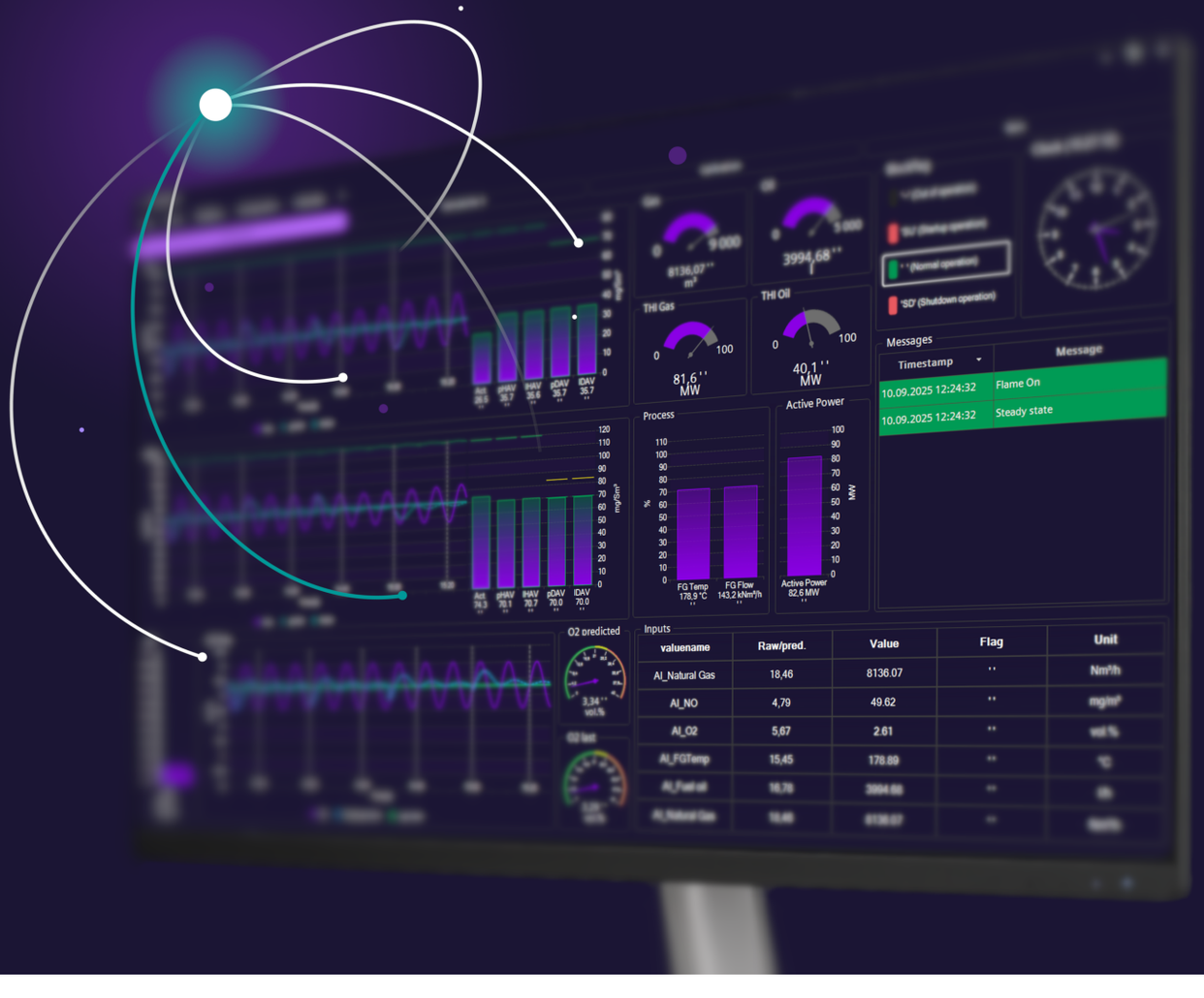
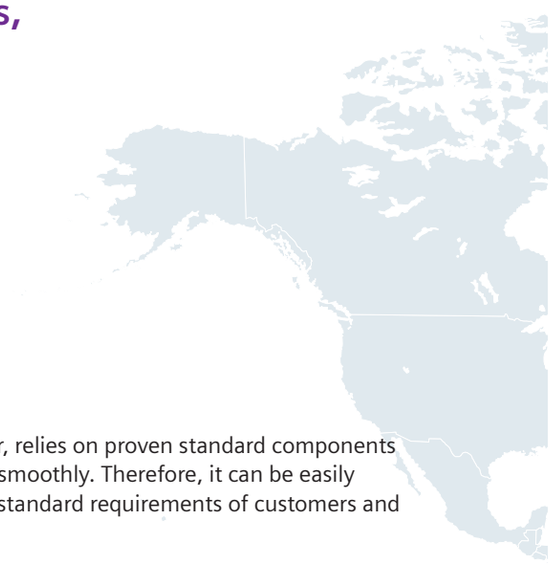
SIEMENS energy

Emissions under control with the software solution EMIDATE

Smart and systematic recording and evaluation of emission data.



The software solution EMIDATE collects, monitors, evaluates and stores all emission related values and plant states.



This allows the monitoring of pollutants to permissible limits. The results are graphically visualized and stored.

Officially examined and certified

Based on Austrian laws and regulations as well as standards EMIDATE was developed in the 1980's with a goal to control emissions precisely.

The current version was
- Type-approved by TÜV Austria according to ÖNORM M9412,
- MCERTS certified by CSA Group,
- Certified according to EN14181 by Synlab.

Emidate is compliant with

- LCPD (Large combustion plant directive)
- WID (Waste incineration directive)
- EN 17255

Modular system

The system is modular, relies on proven standard components and can be upgraded smoothly. Therefore, it can be easily adapted to fulfill non-standard requirements of customers and authorities.

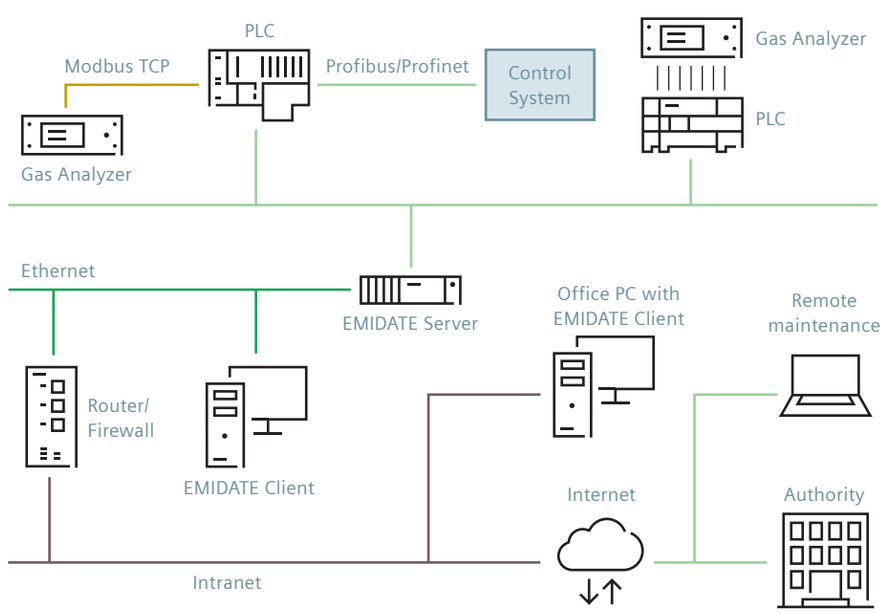
The data acquisition is primarily achieved via the industry-standard Ethernet. As peripheral components SIMATIC devices of all generations with ethernet interfaces can be used. Using a SIMATIC CPU as gateway enables EMIDATE the use of all systems that are compatible with a SIMATIC CPU, thus, enabling the use of protocols, such as:

- Profibus
- Profinet
- S7-Connection
- Modbus TCP

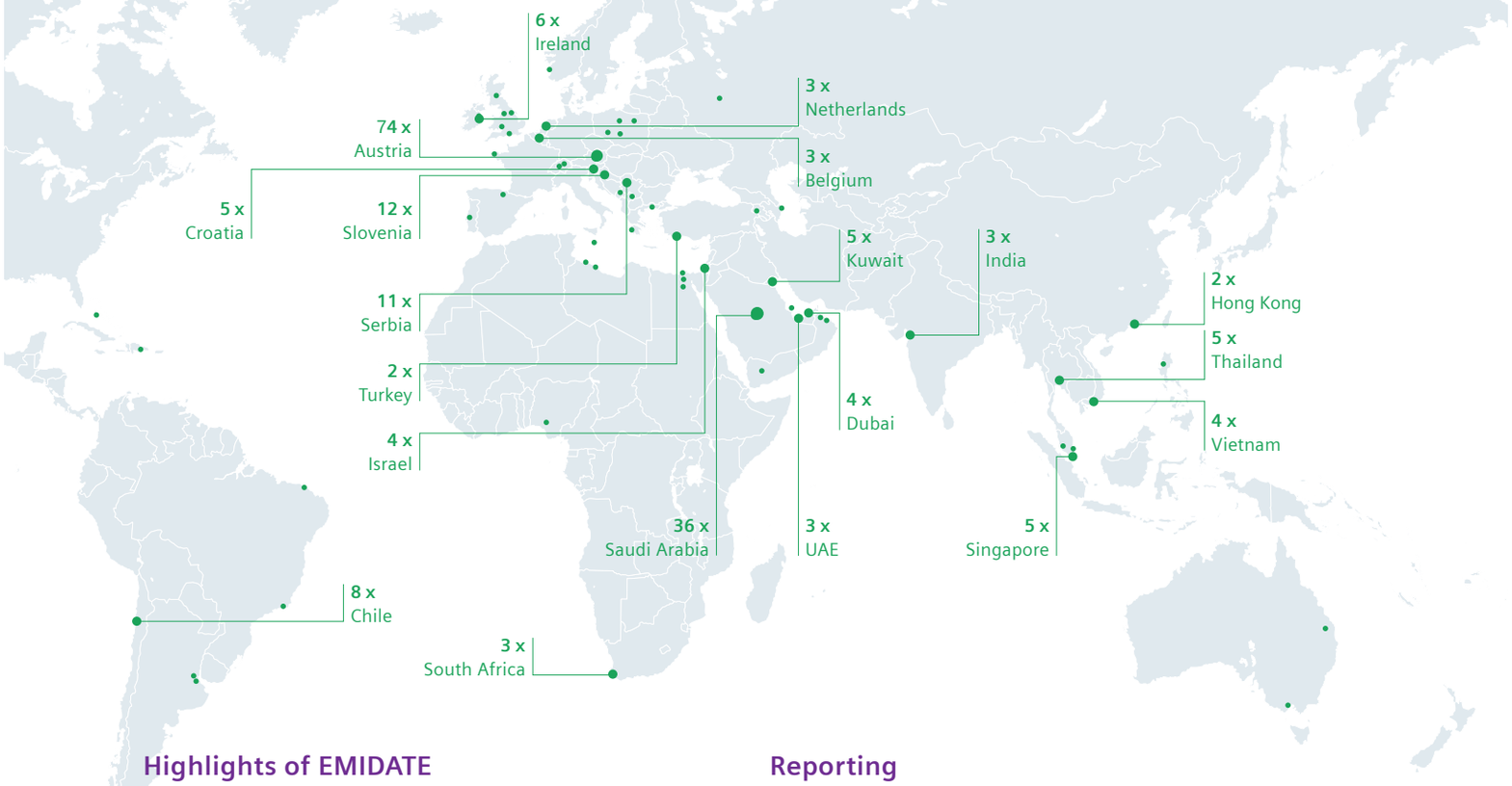
We offer complete systems:

On request Siemens Energy Austria Ltd. can supply a complete gas-analysis system – from gas extraction, gas conditioning and analyzers to the continuous emission monitoring system EMIDATE – including hardware and software engineering as well as on site commissioning.

System topology



EMIDATE is installed more than 200 times worldwide: in power plants, waste incineration plants and district heating plants as well as in other industrial plants.



Highlights of EMIDATE

- Online parameterization
- Easy manageable and expandable multilingual user interface
- Freely adjustable actual-value and compression cycles
- Easy access to stored data (graphs and tables)
- Automatic export of data to Intra- and Internet
- Acknowledgment for messages including acoustic alerting
- Entering comments by the plant operator – triggered spontaneously or by a particular event (with optional approval process)

One license – many possibilities

The well-structured license model enables a cost-effective use of EMIDATE from small to huge plants. Based on the server/client architecture each EMIDATE server can also act as a client for other servers in the network. Emission data (online-values and stored values) can be visualized on different clients – even in the office network.

Reporting

Reports, which are amongst others used to proof of fulfillment of authority regulations, can be generated periodically or on demand. The generated protocols can either be printed or saved as a PDF-file. These PDF-files can be sent via email or transferred to a FTP-server. In addition to the requirements defined in ÖNORM amongst others an Excel protocol is available, where all data stored in EMIDATE can be processed and presented with all available Excel functions. All IED reports are available as templates.

A scheduled export of data in a machine-readable format for distribution to a network via FTP is available. Thus, various data exports to control systems or authorities can be realized.

Applied in various branches

EMIDATE is mainly used in power plants, waste incineration plants and district heating plants, but also in other branches such as the chemical, cement and paper industry. The system can also be used as a data acquisition system for non-emission relevant applications.

References

EMIDATE is installed more than 200 times worldwide.

Country	References	Country	References	Country	References
Australia	2x	India	3x	Portugal	1x
Austria	74x	Iraq	1x	Qatar	1x
Argentinia	3x	Ireland	6x	Romania	1x
Armenia	1x	Israel	4x	Russia	1x
Azerbaijan	1x	Kosovo	1x	Saudi Arabia	36x
Bahrain	1x	Kuwait	5x	Serbia	11x
Belgium	3x	Libya	2x	Singapore	5x
Brasil	3x	Malaysia	2x	Slovenia	12x
Chile	8x	Malta	1x	South Africa	3x
Croatia	5x	Mexico	1x	Spain	2x
Cyprus	1x	Montenegro	1x	Switzerland	2x
Dom. Rep.	1x	Netherlands	3x	Thailand	5x
Dubai	4x	Nigeria	4x	Turkey	2x
Egypt	3x	Norway	1x	UAE	3x
France	1x	Oman	3x	United Kingdom	7x
Greece	1x	Philippines	1x	Vietnam	4x
Hong Kong	2x	Poland	4x	Yemen	1x

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or visit us at
www.siemens-energy.com/emission-monitoring

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