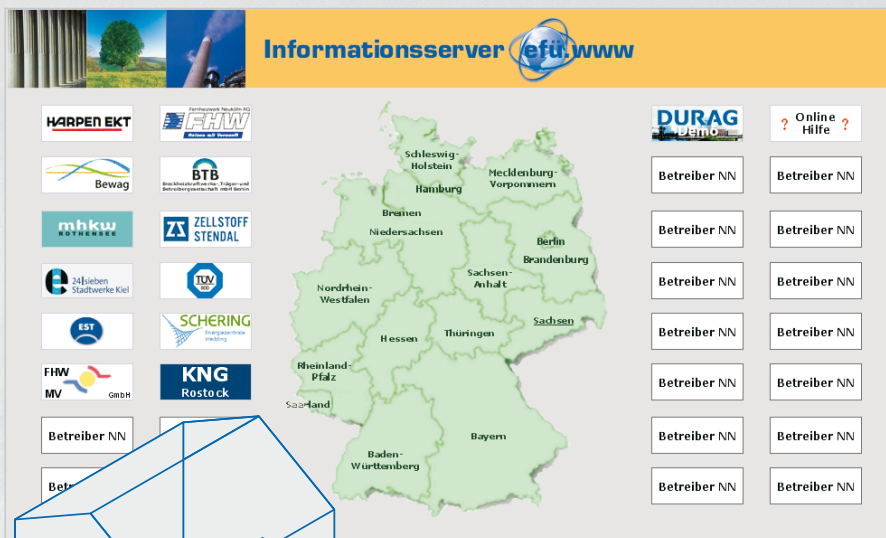
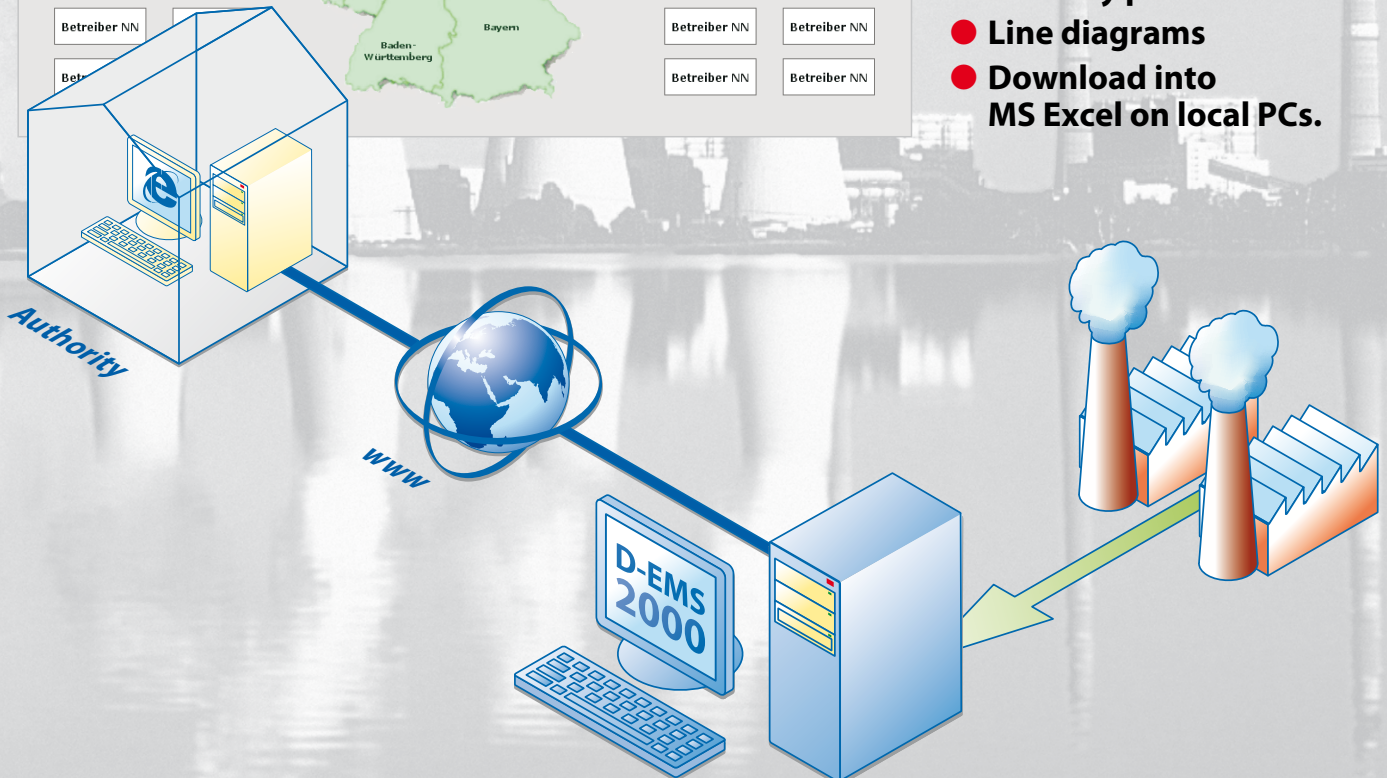


D-EMS 2000 EFÜ.www

Internet Software Module for the D-EMS 2000 Environmental and Process Data Management System



- On-line information for the relevant authorities
- Password protected inspection of current and historical emission values
- Table view and graphical representation
- Classification protocols
- Daily protocols
- Monthly protocols
- Line diagrams
- Download into MS Excel on local PCs.



Software module for remote emission data transmission to the Internet

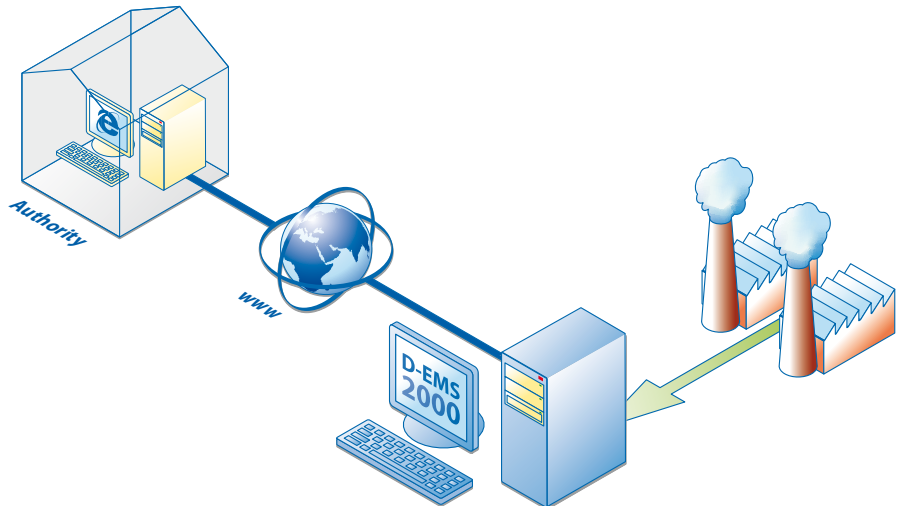
The state-of-the art online information platform for the relevant authorities.

Features

- DURAG D-EMS 2000 Environmental and Process Data Management Systems Module
- No separate web server necessary
- Visualisation of all data with standard browser MS Internet Explorer
- High security levels through password protection and ring memory
- Representation of protocols and tables in universal PDF format
- Authority and operator have the same protocols and tables
- Graphical/numerical representation of transmitted values
- Download for representation in MS Excel
- No operating and update costs for authorities.

Data transfer

- Data transfer occurs on a (half-) hourly basis so that authorities always have all values at hand, including the last integral
- With the transfer of average values, the agreed events (e.g. excess ELV, breakdown ARE) that occurred within the past 30 or 60 minutes are also provided
- Comment option by the operator
- The protocols are generated on the operator's PC and transferred to the relevant Internet server in PDF format. This renders parallel archiving on an official server unnecessary
- All data are stored on an Internet server in dynamic ring memories over 24 months
- Visualisation and possible downloads are password-protected and free of charge for the authorities
- Additional information for the authority by email or/and sms available.



Data transfer to Internet:

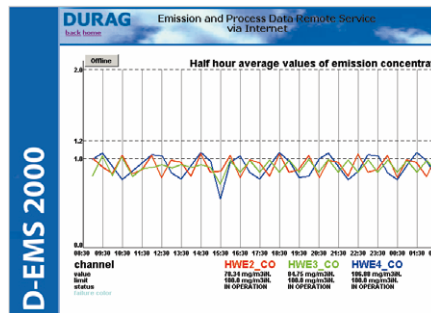
after daily change: Official classification protocol, daily protocol, monthly protocols
 (half-) hourly: Current (half-) hourly average values, events of the last 30 or 60 minutes
 Immediate transfer: Events, comments, news

Monthly log of April 2011				
D-EMS 2000 Emission Surveillance AVA Augsburg				
Day	2001/80/EC SO2-val	2001/80/EC NOx-val	2001/80/EC Dust-val	2001/80/EC CO-val
	mg/m3iN.	mg/m3iN.	mg/m3iN.	mg/m3iN.
01.04	158.159	160.000	15.123	22.875
02.04	158.150	162.456	15.155	22.943
03.04	157.690	165.333	16.000	23.112
04.04	158.100	162.145	17.001	23.456
05.04	158.3			
06.04	157.5			
07.04	156.1			
08.04	156.3			
09.04	157.0			
10.04	154.2			
11.04	145.1			
12.04	147.8			
13.04	146.2			
14.04	150.1			
15.04	151.0			
16.04	152.3			
17.04	152.1			
18.04	153.4			
19.04	154.1			
20.04	152.2			
21.04	156.4			
22.04	157.5			
23.04	155.1			
24.04	147.4			

Daily log of April 27 2011				
D-EMS 2000 Emission Surveillance AVA Augsburg				
Time	2001/80/EC SO2-val	2001/80/EC NOx-val	2001/80/EC Dust-val	2001/80/EC CO-val
	mg/m3iN.	mg/m3iN.	mg/m3iN.	mg/m3iN.
00:30	152.300	171.882	18.456	21.002
01:00	152.155	169.457	18.994	20.007
01:30	153.456	164.116	17.656	19.835
02:00	158.100	172.321	17.777	21.278
02:30	156.300	169.463	11.666	21.165
03:00	157.500	164.335	15.000	22.315
03:30	156.145	168.001	15.446	21.002
04:00	156.325	150.118	16.113	20.007
04:30	157.002	170.436	16.334	19.835
05:00	154.234	171.882	17.001	21.168
05:30	145.170	165.333	16.995	21.275
06:00	Maintenance	162.456	16.123	22.456

Protocols are generated automatically at the end of the day and stored on the server as PDF files.
 Official (validated) half-hourly average values are listed in the daily protocol.
 All daily average values are listed in the monthly protocol.

Line diagrams can be called up for clearly visible representation of average values.



The class frequency distribution is transmitted daily after midnight in PDF format as copy of the protocol generated by the operator.

Distribution protocol									
Parameter sev. 28.05.2003 14:41:55 V 4.11									
Daily distribution concentration from 03.07.2003 00:00:00 bis 04.07.2003 00:00:00									
Yearly distribution 01.01.2003 00:00:00 bis 04.07.2003 00:00:00									
Plant name	Freiberg	Freiberg	Freiberg	Freiberg					
Channel name	NH3 30	NH3 9%	NH3 60	HCL 30					
Limit value	20.000	150.000	20.000	60.000					
Unit	mg/Nm3	mg/Nm3	mg/Nm3	mg/Nm3					
Classification	27.08.2003	27.08.2003	27.08.2003	27.08.2003					
Begin	14:00:00	14:00:00	14:00:00	14:00:00					
End	04.07.03	00:00:00	00:00:00	00:00:00					
Offset class	Year	Day	Year	Day	Year	Day	Year	Day	
Class 1	494	46	502	46	240	24	376	30	
Class 2	11	0	0	0	8	0	118	16	
Class 3	6	0	0	0	2	0	6	0	
Class 4	1	0	0	0	0	0	2	0	
Class 5	0	0	0	0	0	0	0	0	
Class 6	0	0	0	0	0	0	0	0	
Class 7	0	0	0	0	0	0	0	0	
Class 8	0	0	0	0	0	0	0	0	
Class 9	0	0	0	0	0	0	0	0	
Class 10	0	0	0	0	0	0	0	0	

Overview site at <https://www.efue.de>

- Demonstration unit under www.durag.info/efue.www
- The installed password-protected operator units can be opened via the corresponding logos
- Country-specific official sites can be created upon the authority's request.



DURAG data systems GmbH · Kollastrasse 105
 22453 Hamburg · Tel. +49 40 55 42 18-3000
 Fax +49 40 55 42 18-3099

www.durag-data.de

DURAG, Inc., USA · E-Mail: durag@durag.com
DURAG China · E-Mail: info@durag-cn.com
DURAG India Ltd · E-Mail: info@duragindia.com
DURAG France · E-Mail: info@durag-france.fr

DURAG Italia S.r.l. · E-Mail: info@durag.it
DURAG UK Office · E-Mail: durag.uk@durag.de
DURAG Japan Office · E-Mail: saito@durag.jp
DURAG Brazil Office · E-Mail: ednaldo@durag.com.br