

# Technical statistics

## 01-01-2013

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TECHNICAL ASSOCIATION  
OF THE EUROPEAN NATURAL GAS INDUSTRY

Item	Country	TOTAL
<b>Number of connected customers to gas networks (total)</b>		<b>115.801.835</b>
Domestic		
Commercial/non domestic		
Industrial		
Power generation		
<b>Gas sales to end consumers (TWh/a)</b>		<b>5095</b>
Domestic (Absolute value)		<b>1419</b>
Commercial/non domestic (Absolute value)		<b>456</b>
Industrial (Absolute value)		<b>1166</b>
Power generation (Absolute value)		<b>1.027,99</b>
<b>Gas indigenous production (TWh/a)</b>		<b>2414</b>
<b>Transmission network length (in km)</b>		<b>217.685</b>
<b>Transmission compressor stations (number)</b>		<b>171</b>
<b>Transmission network pressure reduction stations (number)</b>		<b>3.478</b>
<b>City gate (transmission/distribution) pressure reduction stations (number)</b>		<b>19.855</b>
<b>LNG terminals within territory (number)</b>		<b>24</b>
Sent out Capacity (Nm <sup>3</sup> /h)		
Storage installed (m <sup>3</sup> LNG)		
Size of ships (liquid m <sup>3</sup> maximum)		
<b>Underground storage (quantity of sites, not of individual storages)</b>		<b>106</b>
<b>Total underground storage working capacity (Gcm)</b>		<b>74</b>
Aquifer (number of sites)		<b>24</b>
Depleted field (number of sites)		<b>55</b>
Salt caverns (number of sites)		<b>31</b>
Others		<b>1</b>
<b>Cross border interconnection points (number)</b>		
<b>Distribution network length total (in km)</b>		<b>1.640.667</b>
MOP below 100 mbarg		
MOP between 100 mbarg and 2 barg		
MOP between 2 to 5 barg		
MOP more than 5 barg		
<b>Distribution network materials</b>		
Polyethylene (PE) (km)		<b>814.450</b>
Steel (km)		<b>526.426</b>
Cast iron (km)		<b>46.133</b>
Miscellaneous (km)		<b>117.152</b>
<b>Total number of service pipes</b>		
Typical average service pipe length (m): the pipeline length between the main grid and the connected consumer		
Number of new service pipes laid annually		
Number of service pipes replacements annually		
<b>Ratio of natural gas consumption over primary energy consumption</b>		
<b>NGV vehicles (number) *</b>		<b>939.449</b>
Trucks (number) [heavy duty]		
Buses (number) [medium duty]		
Cars (number) [light duty]		
<b>Natural Gas Vehicle refueling stations (number) [both public and private]]*</b>		<b>2.856</b>

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Item	Country	Austria	Belgium	Czech Republic	Denmark	France	Finland	Germany
<b>Number of connected customers to gas networks (total)</b>		1.345.497	3.029.855	2.868.083	421.117	12.098.581	34.331	14.611.030
Domestic		1.338.079	na	2.656.685	405.616	11.421.781	32.422	13.948.725
Commercial/non domestic			na	202.807		675.000	1.176	557.540
Industrial		7.418	na	8.591	15.165	1.000	708	104.390
Power generation		n/a	na	na	336	800	25	375

<b>Gas sales to end consumers (TWh/a)</b>		91	186	85	40	510	35	821
Domestic (Absolute value)		23		26	na	214	0	272
Commercial/non domestic (Absolute value)			92	13	na	82	0	111
Industrial (Absolute value)		69	45	46	na	153	17	322
Power generation (Absolute value)			48,15	na	na	61,20	17,05	116,70

<b>Gas indigenous production (TWh/a)</b>		17,34	0,00	1,69	60,43	0,00	0,00	114,00
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<b>Transmission network length (in km)</b>		3.007	4.057	3.810	831	37.246	1.318	62.500
<b>Transmission compressor stations (number)</b>		n/a	5	5	0	31	3	28
<b>Transmission network pressure reduction stations (number)</b>		n/a	190	89	43	874	134	na
<b>City gate (transmission/distribution) pressure reduction stations (number)</b>		n/a	190	4.254	502	3.731	0	na

<b>LNG terminals within territory (number)</b>		0	1	0	0	3	0	0
Sent out Capacity (Nm <sup>3</sup> /h)		0	1.700.000	0	0	2.710.000	na	0
Storage installed (m <sup>3</sup> LNG)		0	380.000	0	0	840.000	na	0
Size of ships (liquid m <sup>3</sup> maximum)		0	210.000	0	0	270.000	na	0

<b>Underground storage (quantity of sites, not of individual storages)</b>		7	1	8	2	15	0	41
<b>Total underground storage working capacity (Gcm)</b>		7,4	0,7	3,5	1,0	12,7	na	22,3
Aquifer (number of sites)		0	1	1	1	11	na	8
Depleted field (number of sites)		7	0	6	0	1	na	14
Salt caverns (number of sites)		0	0	0	1	3	na	19
Others		0	0	1	0	0	na	0

<b>Cross border interconnection points (number)</b>		7	18	5	2	8	1	18
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<b>Distribution network length total (in km)</b>		37.495	69.687	72.868	18.175	203.092	1.911	371.000
MOP below 100 mbarg		n/a	67.062	14.763	2.469	10.842	na	na
MOP between 100 mbarg and 2 barg		n/a		1.209	0	266	na	na
MOP between 2 to 5 barg		n/a	2.625	43.930	13.109	183.338	na	na
MOP more than 5 barg		n/a		12.966	2.597	8.646	na	na

<b>Distribution network materials</b>								
Polyethylene (PE) (km)		22.730	49.880	41.877	15.563	143.003	1.808	188.600
Steel (km)		11.136	17.149	30.991	2.602	53.157	83	163.000
Cast iron (km)		9	589	0	0	5.681	20	8.900
Miscellaneous (km)		3.621	2.069	0	15	1.251	0	10.500

<b>Total number of service pipes</b>		725.580	2.740.230	1.601.581	386.744	6.987.489	na	na
Typical average service pipe length (m): the pipeline length between the main grid and the connected consumer		n/a	na	8	25	5	na	14
Number of new service pipes laid annually		n/a	49.539	13.268	4.126	91.591	na	na
Number of service pipes replacements annually		n/a	na	8.999	1.958	38.177	na	na

<b>Ratio of natural gas consumption over primary energy consumption</b>		22%	26%	19%	19%	16%	8%	21%
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<b>NGV vehicles (number) *</b>		7.065	486	4.300	15	13.380	1.332	94.760
Trucks (number) [heavy duty]		15	11	120	0	1.050	10	16.990
Buses (number) [medium duty]		150	3	362	0	2.320	90	1.480
Cars (number) [light duty]		6.900	472	3.818	15	10.010	1.232	76.290

<b>Natural Gas Vehicle refueling stations (number) [both public and private]**</b>		175	16	45 to 62	1	300	19	920
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Item	Country	Greece	Italy	Ireland	the Netherlands	Norway	Poland	Portugal
<b>Number of connected customers to gas networks (total)</b>		444.612	22.483.103	657.500	7.130.062	3	6.730.090	1.309.169
Domestic		321.000	21.600.000	634.072	na	na	6.523.310	1.304.728
Commercial/non domestic		91.600	873.000		na	na	206.686	4.139
Industrial		32.000	9.985		na	2	80	298
Power generation		12	118	11	na	1	14	4
<b>Gas sales to end consumers (TWh/a)</b>		49	700	68	426	2	177	50
Domestic (Absolute value)		8	300		na	na	44	5
Commercial/non domestic (Absolute value)		32.54	n/a		na	na	24	5
Industrial (Absolute value)		8	n/a		na	2	92	29
Power generation (Absolute value)			n/a	40,70	na	na	16,50	11,90
<b>Gas indigenous production (TWh/a)</b>		0,00	85,40	3,80	745,00	1.000,00	49,50	na
<b>Transmission network length (in km)</b>		1.819	34.415	2.417	11.896	na	10.077	1.298
Transmission compressor stations (number)		1	11	3	13	na	14	0
Transmission network pressure reduction stations (number)		36	638	165	82	na	782	11
City gate (transmission/distribution) pressure reduction stations (number)		24	7.000	89	1.009	na	751	73
<b>LNG terminals within territory (number)</b>		1	2	0	1	0	0	1
Sent out Capacity (Nm <sup>3</sup> /h)		750.000	1.239.000	n/a	1.300.000	na	0	900.000
Storage installed (m <sup>3</sup> LNG)		130.000	350.000	n/a	150.000	na	0	390.000
Size of ships (liquid m <sup>3</sup> maximum)		120.000	150.000	n/a	na	na	0	216.000
<b>Underground storage (quantity of sites, not of individual storages)</b>		0	11	0	4	na	8	1
Total underground storage working capacity (Gcm)		0,0	13,5	0,0	5,2	na	2,1	0,2
Aquifer (number of sites)		na	1	0	0	na	0	na
Depleted field (number of sites)		na	11	1	3	na	6	na
Salt caverns (number of sites)		na	0	0	1	na	2	4
Others		na	0	0	0	na	0	na
<b>Cross border interconnection points (number)</b>		3	9	3	14	na	8	3
<b>Distribution network length total (in km)</b>		6.087	249.180	11.137	124.073	125	125.890	16.296
MOP below 100 mbarg		2.755	146.129	4.435	101.304	na	na	1.017
MOP between 100 mbarg and 2 barg		0	101.081	33	0	na	na	491
MOP between 2 to 5 barg		2.051	100	6.664	8.552	125	na	13.569
MOP more than 5 barg		1.281	1.870	4	14.217	na	na	1.192
<b>Distribution network materials</b>								
Polyethylene (PE) (km)		4.663	69.645	11.062	19.929	125	na	14.954
Steel (km)		1.281	175.585	71	18.850	na	na	1.342
Cast iron (km)		136	2.800	3	7.230	na	na	1
Miscellaneous (km)		0	1.150	1	78.064	na	na	21
<b>Total number of service pipes</b>		67.998	12.000.000	657.500	na	na	na	na
Typical average service pipe length (m): the pipeline length between the main grid and the connected consumer		6	13	15	10	na	na	na
Number of new service pipes laid annually		7.000	200.000	7.200	na	na	na	na
Number of service pipes replacements annually		na	180.000	500	na	na	na	na
<b>Ratio of natural gas consumption over primary energy consumption</b>		14%		30%	58%	2%	na	18%
<b>NGV vehicles (number) *</b>		706	788.000		4.369	535	3.386	457
Trucks (number) [heavy duty]		102	1.200		240	25	72	42
Buses (number) [medium duty]		600	2.600		523	215	314	355
Cars (number) [light duty]		4	785.000		3.603	295	3.000	60
<b>Natural Gas Vehicle refueling stations (number) [both public and private]**</b>		5	983		103	57	24	6

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Item	Country	Romania	Slovakia	Slovenia	Spain	Switzerland	Turkey	UK
<b>Number of connected customers to gas networks (total)</b>		1.408.170	1.508.307	151	7.393.816	431.000	8.713.043	23.184.315
Domestic		1.328.659	1.430.009	16	na	na	8.713.043	22.912.722
Commercial/non domestic		65.471	74.594	10	na	na		271.579
Industrial		13.550	3.698	123	na	na	na	
Power generation		490	6	2	na	na	na	14
<b>Gas sales to end consumers (TWh/a)</b>			57	9	363	38	481	905
Domestic (Absolute value)			15	4	na	14.6 (15.9)	94	323
Commercial/non domestic (Absolute value)			6	0	na	7.1 (7.8)	28	187
Industrial (Absolute value)			32	5	217	11.0 (12.0)	129	
Power generation (Absolute value)			5,00	0,61	84,34	2.5 (2.7)	230,21	395,63
<b>Gas indigenous production (TWh/a)</b>			0,82	0,00	0,70	0,08	6,72	329,00
<b>Transmission network length (in km)</b>			8.533	1.094	12.987	292	12.440	7.648
Transmission compressor stations (number)			4	2	18	1	8	24
Transmission network pressure reduction stations (number)			55	149	na	na	227	3
City gate (transmission/distribution) pressure reduction stations (number)			1.760	68	na	304	51	49
<b>LNG terminals within territory (number)</b>			0	0	6	0	2	7
Sent out Capacity (Nm <sup>3</sup> /h)			0	0	6.863.000	na	1.335.000	6.762.500
Storage installed (m <sup>3</sup> LNG)			0	0	3.246.500	na	535.000	2.065.000
Size of ships (liquid m <sup>3</sup> maximum)			0	0	270.000	na	138.000	257.000
<b>Underground storage (quantity of sites, not of individual storages)</b>			2	0	4	0	1	1
Total underground storage working capacity (Gcm)			2,8	0,0	2,3	na	2,661 bcm	0,3
Aquifer (number of sites)			0	0	1	na	0	0
Depleted field (number of sites)			2	0	3	na	1	0
Salt caverns (number of sites)			0	0	0	na	0	1
Others			0	0	0	na	0	0
<b>Cross border interconnection points (number)</b>			7	3	11	12	5	13
<b>Distribution network length total (in km)</b>		17.218	33.079	4.342	64.115	18.762	69.800	126.335
MOP below 100 mbarg		714	3.331	na	8.068	na	61.800	
MOP between 100 mbarg and 2 barg		14.724	11.532	na	18.501	12.373		
MOP between 2 to 5 barg		1.780	11.922	na	29.715	4.438	8.000	
MOP more than 5 barg		na	6.294	na	7.831	1.951		
<b>Distribution network materials</b>								
Polyethylene (PE) (km)		8.958	14.052	na	53.668	10.476	61.800	81.657
Steel (km)		8.260	12.733	na	9.158	5.787	8.000	7.242
Cast iron (km)			0	na	1.286	2.116	na	17.362
Miscellaneous (km)			0	na	3	383	na	20.074
<b>Total number of service pipes</b>		460.486	812.500	na	na	5.989	na	
Typical average service pipe length (m): the pipeline length between the main grid and the connected consumer		7	8	na	na	15	10	
Number of new service pipes laid annually		18.917	5.800	na	na	na	na	
Number of service pipes replacements annually			5.100	na	na	na	na	
<b>Ratio of natural gas consumption over primary energy consumption</b>			25%	11%	22%	13%	29%	
<b>NGV vehicles (number) *</b>			1.092	48	3.666	12.000	3.850	2
Trucks (number) [heavy duty]			0	5	1.192	75	0	0
Buses (number) [medium duty]			321	20	1.531	275	2.000	0
Cars (number) [light duty]			771	23	927	11.650	1.850	2
<b>Natural Gas Vehicle refueling stations (number) [both public and private]**</b>			11	6	74	140	14	2