

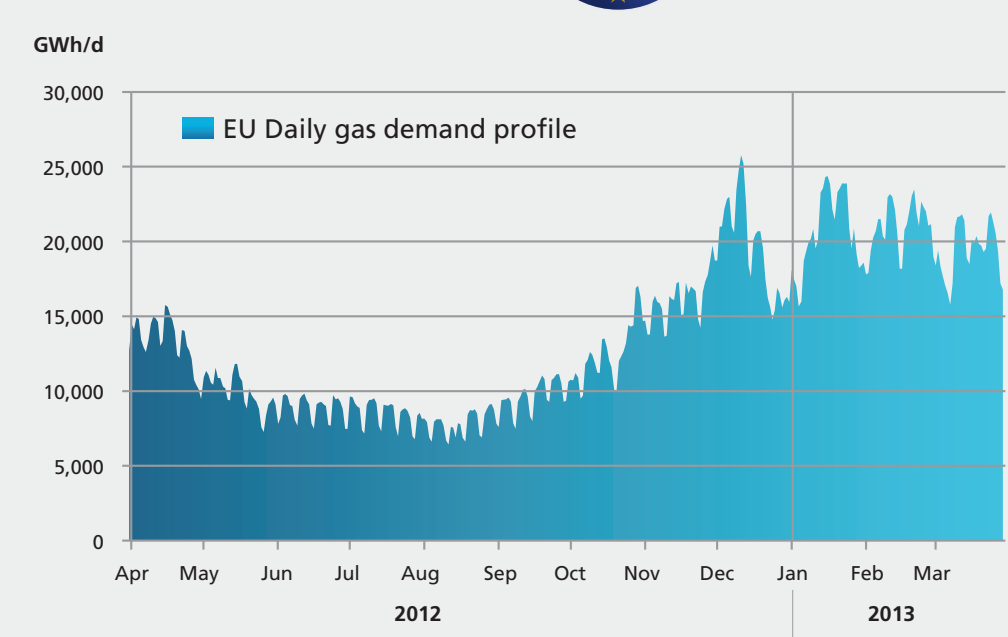
SYSTEM DEVELOPMENT MAP

2012

EUROPEAN DEMAND

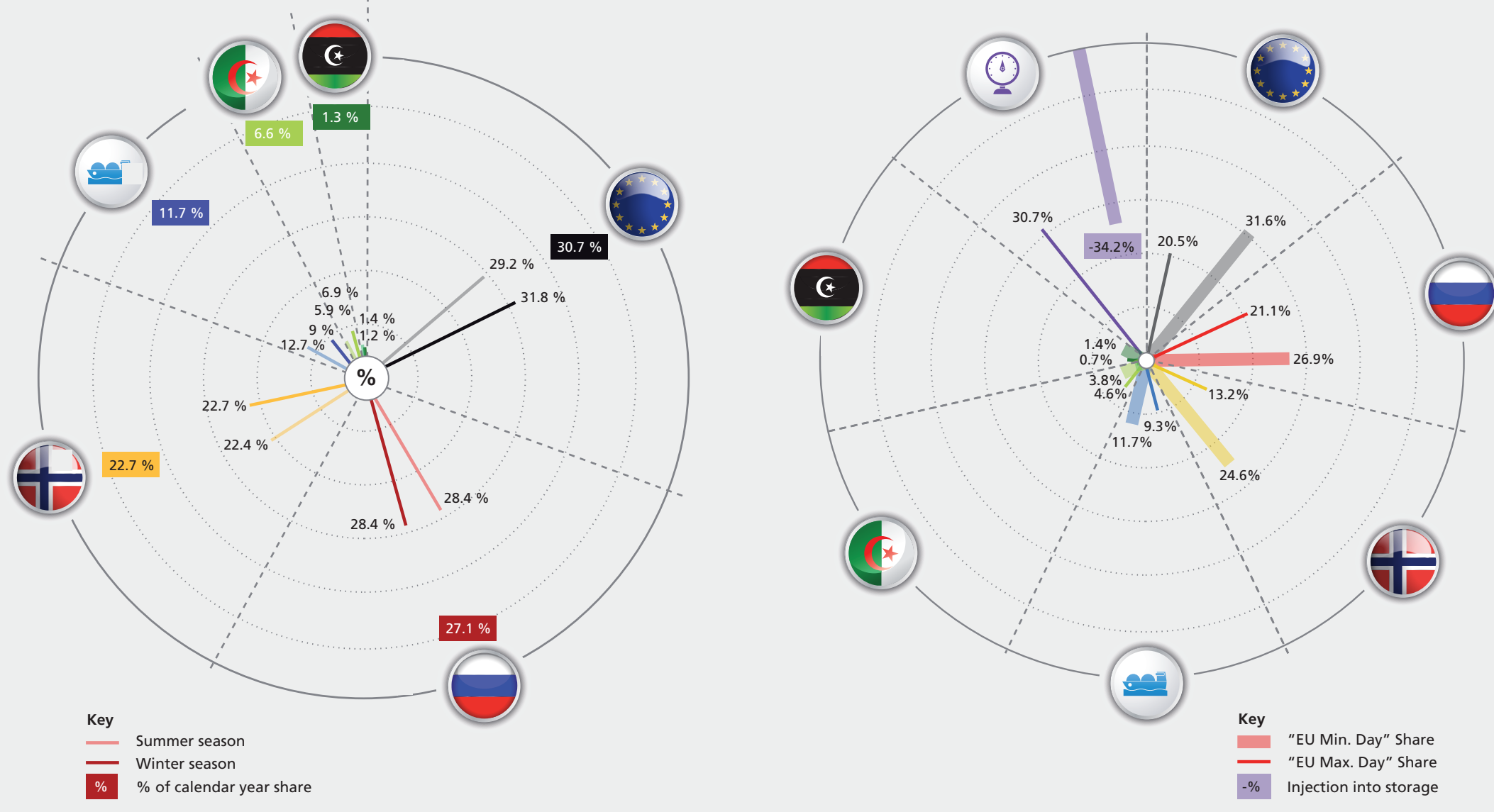
Period	EU Total	EU Min.	EU Max.
EU Total 2012	5,015,227 GWh		
EU Apr 2012 - Sep 2012 (Summer)	1,772,399 GWh	6,393 GWh/d	
EU Oct 2012 - Mar 2013 (Winter)	3,299,696 GWh	25,775 GWh/d	

The chart displays the EU daily gas demand profile. The y-axis represents demand in GWh/d, ranging from 0 to 25,000. The x-axis shows the time period from April 2012 to March 2013. The demand is relatively stable during the summer months (Apr-Sep 2012) but shows a sharp increase during the winter months (Oct-Mar 2013), peaking at approximately 25,775 GWh/d.

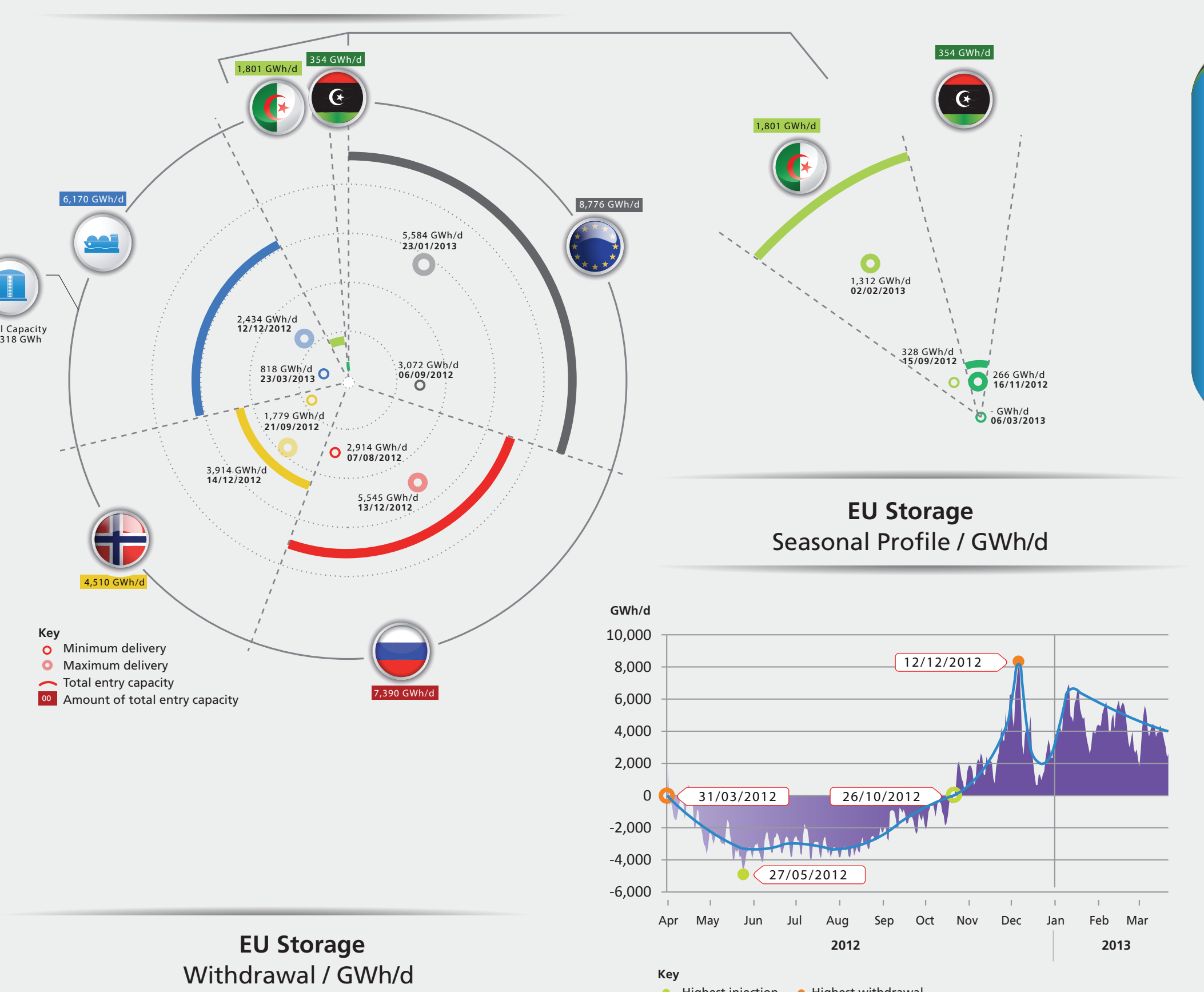


EUROPEAN SUPPLY

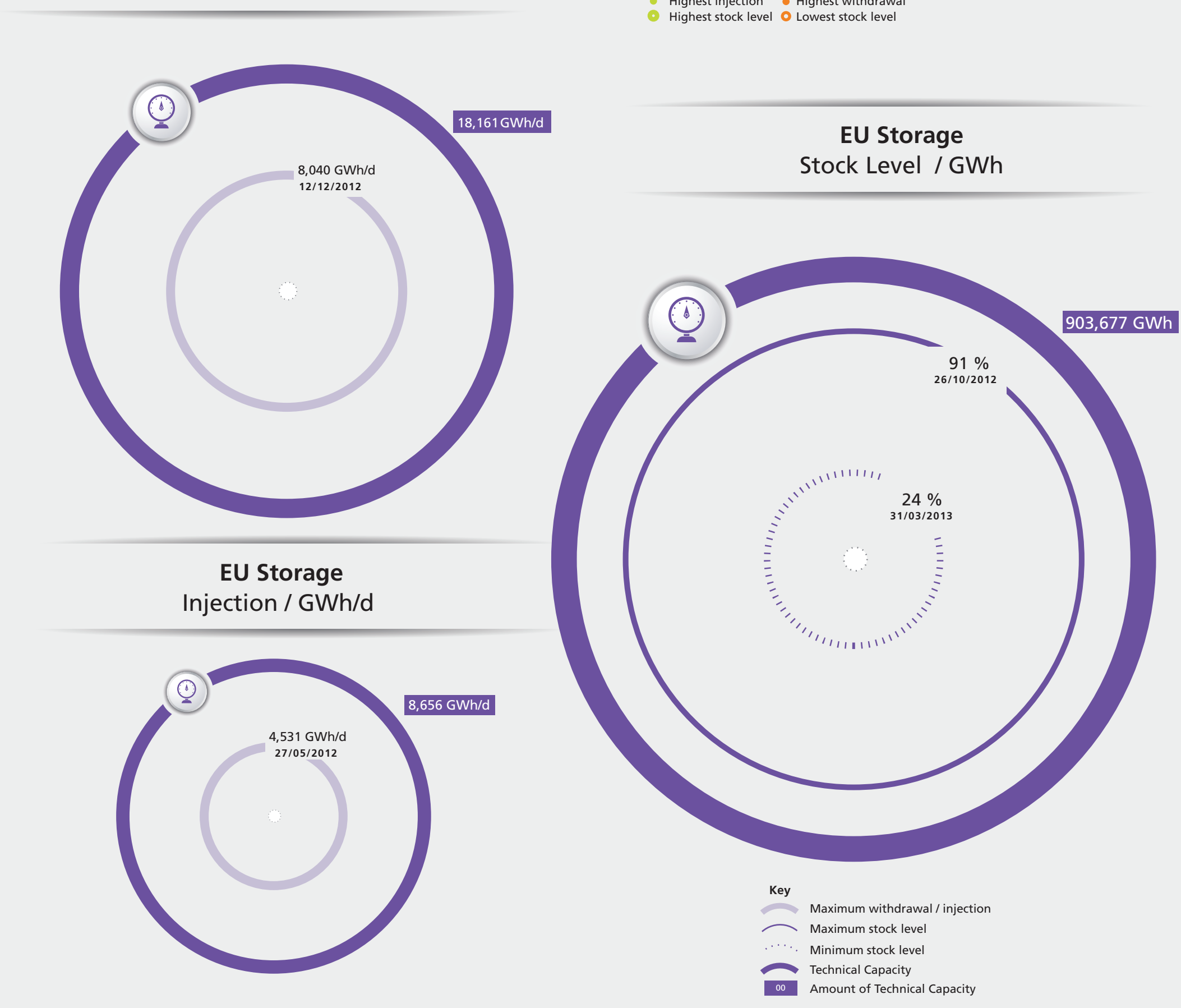
EU Supply Sources	EU Supply Sources
Shares / Yearly-Seasonal / %	Shares / EU Min - Max Day / %



EU Supply Sources
Min-Max Seasonal Delivery / GWh/d



EU Storage Withdrawal / GWh/d



Minimum stock level
Technical Capacity
Amount of Technical Capacity

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The System Development Map 2012 presents initial infrastructure capacity and planned infrastructure and capacity by outputs from the perspective of the year 2032. The responsive data are based on the ENTPD 2010/2032 ENTPSW Winter Supply 2032/2033, ENTPD Summer Supply 2032/2033, GSE 2012 Storage Map, GLC 2012 LRIC and ENTPD E-SMAF 2012/2033, (all reports) ENTPD Winter Supply Members provided for the 2032. The historical data on Enbridge Gas, Inc., the winter 2012/2013, are based on data from the 75% and GSE 463R Plant.

The Country Profiles present transmission capacities between countries (after application of the Lesser-of-value) storage & LRIC capacities according to the interconnection at the country's transmission system, and installed capacity and capacity for the summer and winter for the 2032/2033. The gas production within the country is the maximum deliverability achieved. The demand data represent actual country demand for the respective delivery period.

All data provided in the report are for information purposes and shall be treated as indicative only. Under no circumstances shall they be regarded as legal for commercial use.

If a storage facility is connected to multiple transmission systems in different countries, the responsive storage capacity is allocated only under the country in which the storage is located.

KEYS	
	Trading Points / Market Areas
	Cross-border interconnection point within Europe
	Cross-border interconnection point with third country (import/export)
	LNG Terminal: entry point into transmission system
	LNG Export Terminal
	Small scale LNG liquefaction plant
	Third country cross-border interconnection point
	Intra-country or intra balancing zone points
	Cross-Border Europe Under construction or Planned
	Cross-Border third country import Under construction or Planned
	LNG Import Terminal Under construction or Planned
	LNG Export Terminal Under construction or Planned
	Small scale LNG liquefaction plant Under construction or Planned

Countries	Gas storage facilities
 ENTSG Member Countries	 LNG Peak Shaving
 ENTSG Associated Partner	 Aquifer
ENTSG Observers	 Salt cavity - cavern

Transport by pipeline

- under 24"
- 24" to 36"
- 36" and over
- project

Other type

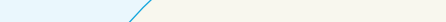
- Depleted (Gas) field on shore / offshore
- Other type
- Unknown
- Gas storage project

Gas Reserve areas

 gas field

 multiple storage facilities operated by different SSOs

LNG export capacity		LNG import capacity	
	NORWAY		UK
	RUSSIA		NETHERLANDS
	ALGERIA		EGYPT
	LIBYA		QATAR
	UNITED STATES		AUSTRALIA
	CANADA		UK
	UNITED STATES		UK
	UNITED STATES		UK
	UNITED STATES		UK



WESTERN SAHARA

A diagram illustrating the distributive property of multiplication over addition. It shows a large rectangle divided into four smaller rectangles by a vertical line. The top-left rectangle is labeled 'a' and the bottom-left rectangle is labeled 'b'. The top-right rectangle is labeled 'c' and the bottom-right rectangle is labeled 'd'. The vertical line is labeled 'x'.

[illegible]

- GHVd - GHV	- GHVd - GHV	- GHVd - GHV	- GHVd - GHV
288 GHVd	Maximum Production - GHVd	Maximum Production - GHVd	Maximum Production
2,588 kWh	Installed gas feed capacity 190 MW	Installed gas feed capacity 2,530 kWd	Installed gas feed capacity

 Total 2012 36,611 GWh	 Total 2012 7,882 GWh	 Total 2012 36,612 GWh
Apr 12 - Sep 12 12,296 GWh Oct 12 - Mar 13 24,315 GWh	Apr 12 - Sep 12 1,812 GWh Oct 12 - Mar 13 6,070 GWh	Apr 12 - Sep 12 14,836 GWh Oct 12 - Mar 13 21,776 GWh
Min. Day 28,670 kWh Max. Day 294,440 kWh Min. Night 25 kWh Max. Night 25,340 kWh	Min. Day 26,870 kWh Max. Day 250,470 kWh Min. Night 25 kWh Max. Night 25,040 kWh	Min. Day 28,670 kWh Max. Day 294,440 kWh Min. Night 25 kWh Max. Night 25,340 kWh

GUINEA-BISSAU

BAKRO

