



**glassglobal Hollow and Flat Glass Market  
Report and Study**

**[plants.glassglobal.com](http://plants.glassglobal.com)**

**August 2015**

# We about us: glassglobal Group / the global glass competence



## glassglobal Consulting

Our internationally renowned team of glass experts helps you analyzing and benchmarking glass production, glass markets and competition. We also help diversifying production, improving efficiencies and competitiveness.

## glassglobal Engineering

Our engineering team researches and develops innovative and unique systems like the ggENOX and ggDAS to reduce energy costs, critical pollutants (with NO<sub>x</sub> in particular) and/or to enhance glass quality with a focus on primary measures.

## glassglobal Community

www.glassglobal.com is the leading portal for the international glass industry. Over 360,000 visitors/month use the portal as an expert marketing channel, browse the portal to get updated information, execute researches or successfully trade equipment or glass.

## glassglobal Trading

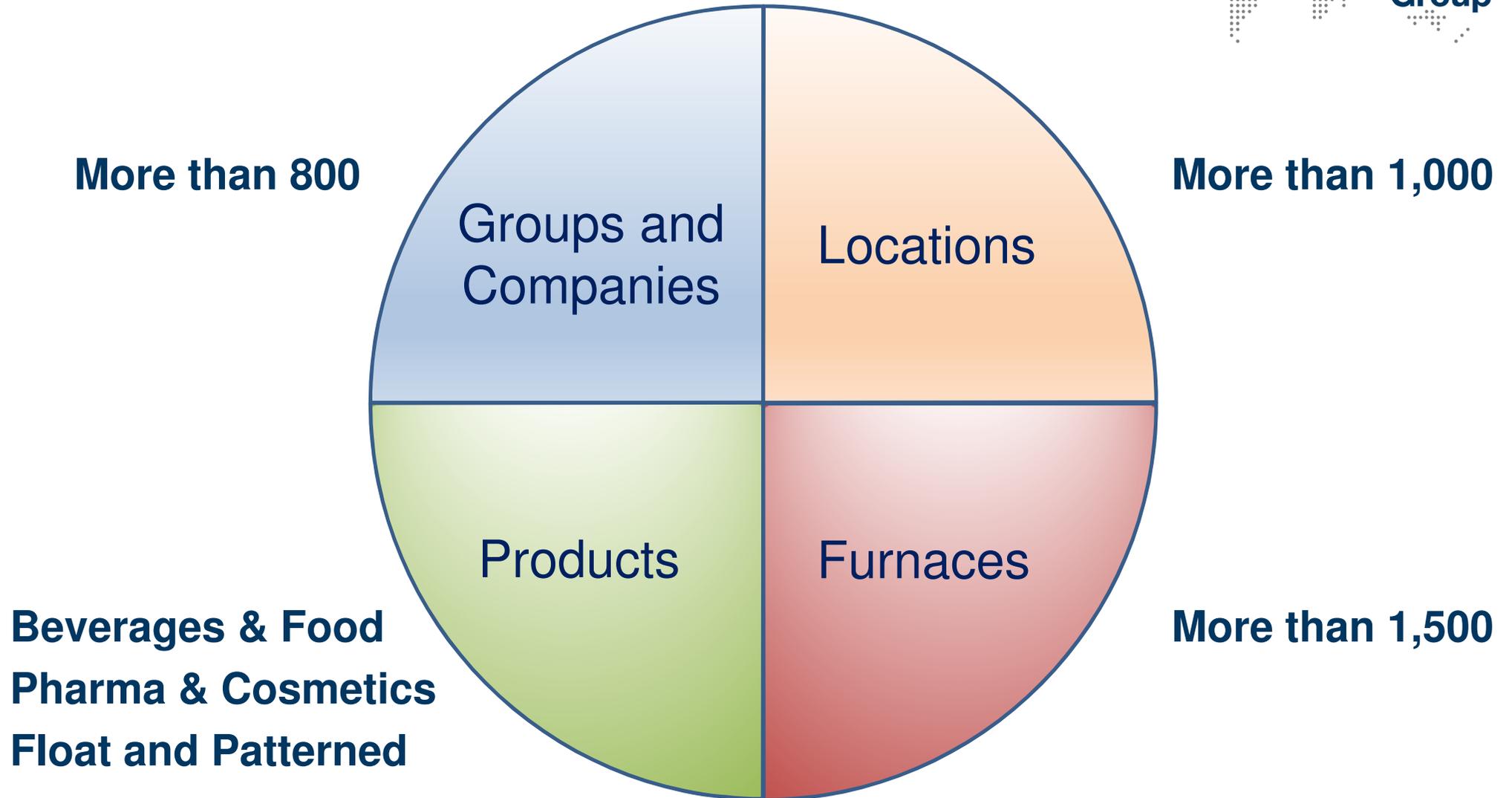
The trade platform is an international business area, dedicated to the trading of glass production and processing equipment and glass of any kind, supported by our expert team of glass engineers to find suitable customers and suppliers.

## glassglobal IT-Services

Professional realization of all elements in websites from presentations to calculations, from design to CRM. Our expert team supports industry-related design, keyword programming, search engine optimization and target oriented customer approach.

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# Hollow and Flat Glass Production Companies Database



# Hollow and Flat Glass Production Countries Database



**More than 90**

**Countries**

**Production**

**More than 150  
million tons**

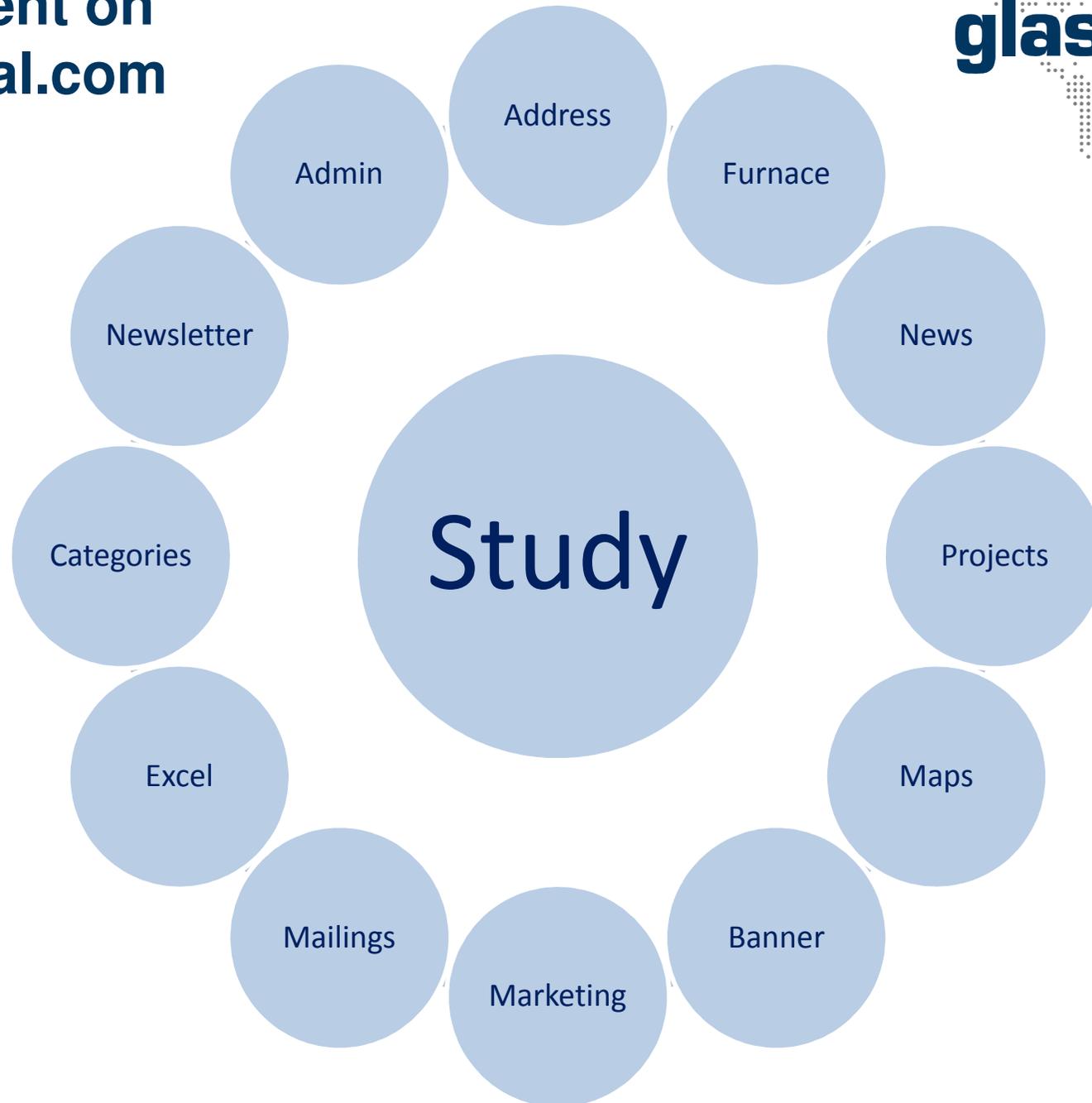
**Principle  
Savings**

**Recycling**

**Consumption**

**Per Country  
and Region**

# Environment on glassglobal.com



## Your gateway to the international glass producing industry

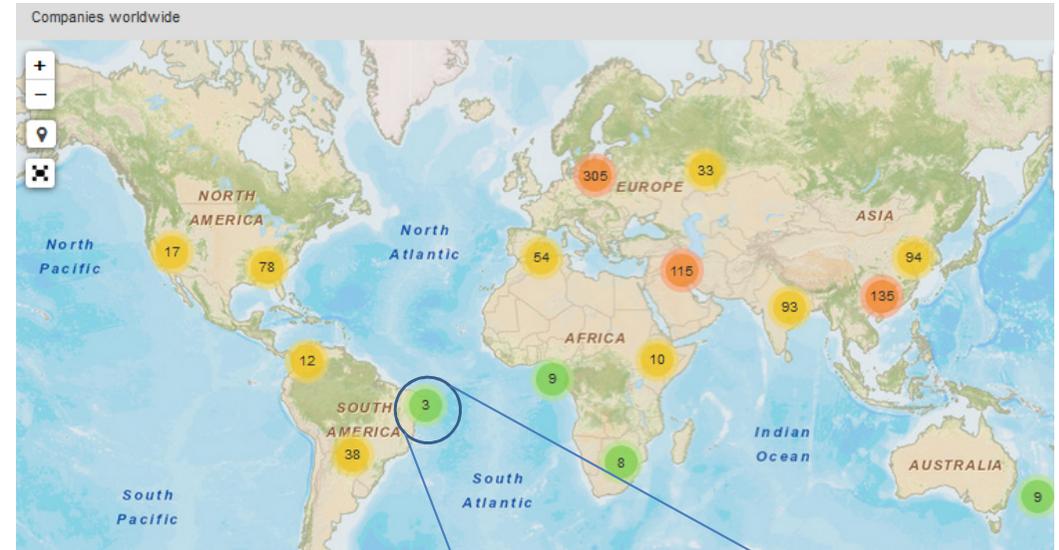
Data from glass producers worldwide:

- Production capacities in regions and countries
- Furnaces, furnace types, years of construction
- Glass types and sub-types, products
- Financials from global players
- Production data
- Demoscopic data
- Import and export data
- Forecast about future glass consumption in all regions

## What's in it for you?

glassglobal Plants provides you with the access to these data. Find potential customers according to your personal selection within a minute, find companies to approach, display them on a map and contact them directly.

**Responsive programming for the display on PC's, tablets and mobile phones**



## Free Guided Tour

Ask for your free guided tour and send your message to [sales@glassglobal.com](mailto:sales@glassglobal.com)

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## Screenshot Homepage without Login



### Welcome

## Welcome to glassglobal Plants

glassglobal Plants is your gateway to the international glass producing industry.

We have collected data from glass producers worldwide including production capacities, the number of furnaces, furnace types, products, furnace suppliers and years of construction.

Moreover, we have compiled financials from global players, production data, demoscopic data for countries as well as import and export data, and we have elaborated a forecast about future glass consumption in all global regions.

### What's in it for you?

glassglobal Plants provides you with the access to these data. Find potential customers according to your personal selection within a minute, find companies to approach, display them on a map and contact them directly.

Ask for your free test access using the button below and enjoy the ease of use of glassglobal Plants.

### Login for Members

Username

Password

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### Facts and Figures

Number of Companies and Groups	1,025
Locations	1,034
Number of Furnaces	1,803
Number of Countries	90
Total Capacity: Tons per day	441,972 tpd
Total Capacity: Tons per year	161,319,780 tpa

### Testimonials from our Customers

It is a great study. Congratulations to glassglobal.

### Companies worldwide

[Cluster](#)



admin.oais.de/login/fault.asp

# plants.glassglobal.com Homepage Screenshot after Login Part 1



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## Welcome

Dear Mr. Knut Alt,

**Welcome to glassglobal Plants.**

If you need any assistance, or for your suggestions to improve our service, please send [your message](#). Or give us a call at +49 (0)211-280733-0.

In order to get a quick access to your requested information respectively to your target group of glass manufacturers, please select what you would like to do:

- [Find glass manufacturers and their furnace data](#)
- [See financials from glass manufacturers](#)
- [See production data by countries](#)
- [See import and export data by countries](#)
- [See demoscopic data selected by category](#)
- [See demoscopic data selected by country](#)
- [See the company profiles from our partners](#)
- [Read the texts in the study](#)
- [Read news from hollow glass manufacturers](#)

## glassglobal Projects

22.06.2015, **Central European glass factory plans furnace repairs in 2016/17** [more](#)  
Central European glass factory plans furnace repairs in...

21.05.2015, **Asian Liquor company to invest in container glass factory for amber glass** [more](#)  
The company is investing 6 Mio Euro in their flint furnace for container glass and announces plans to build a 2nd furnace with 100 tpd for amber...

21.05.2015, **2015 Update: Green light for new container glass factory in South America** [more](#)  
Project now finally approved by Government and financial backing confirmed, location fixed and project partner...

## glasstec News



23.06.2015, **glasstec 2016 kick-off – trade fair now open for registrations** [more](#)  
Companies in glass machine manufacturing, the glass industry and the glazing trade can now register for glasstec 2016, the International Trade Fair...

## glassglobal News

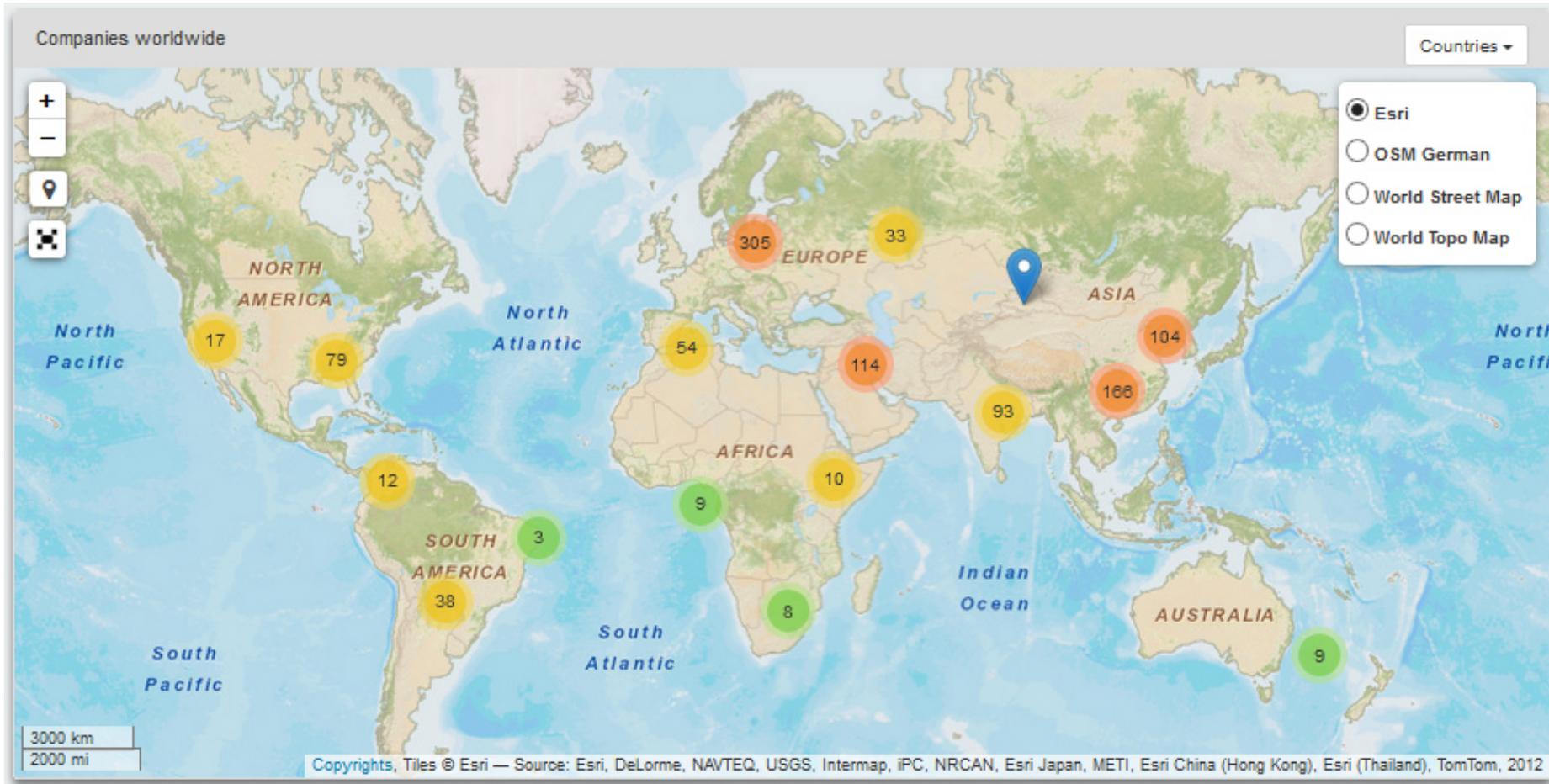


02.07.2015, **India National Green Tribunal survey on glass factories in Firozabad** [more](#)  
The glass industries in Uttar Pradesh's Firozabad district today came under the scanner of the National Green Tribunal which sought response from the...

02.07.2015, **U.S. glass packaging producer expanded its Järvakandi factory in Estonia** [more](#)

Direct links to preferred options, projects from glass producers, news from the glasstec exhibition and the glass industry.

# plants.glassglobal.com Homepage Screenshot after Login Part 2



Zoom the map to find production locations. The picture with clusters will change to single blue dots like the one in Asia. Click a dot and see the company profile with address, contacts, furnaces data, products and history.

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## Screenshot: Selection of Furnaces



reset Map search... Q Lines 30 ▾

### Filter

Furnace Type Reg EP ▾ Glass Type Container ▾ Category Pharma & Cosmetic ▾ Region Europe ▾ Country Germany ▾ Group Heinz (8) ▾ TPD >

Total Records: 4, Number of Companies: 2, Total tonnes per day: 275, Total tonnes per year: 100.375

### Furnace Data

Profile	Company	Country	Region	City	Furnace	Year	Glass	Category	TPD	TPA
<a href="#">Profile</a>	HEINZ-GLAS GmbH	Germany	Europe	Piesau	Reg EP	2002	Container	Pharma & Cosmetic	120	43.800
<a href="#">Profile</a>	HEINZ-GLAS Group Holding	Germany	Europe	Kleintettau	Reg EP	2008	Container	Pharma & Cosmetic	65	23.725
<a href="#">Profile</a>	HEINZ-GLAS Group Holding	Germany	Europe	Kleintettau	Reg EP	2007	Container	Pharma & Cosmetic	50	18.250
<a href="#">Profile</a>	HEINZ-GLAS Group Holding	Germany	Europe	Kleintettau	Reg EP	2011	Container	Pharma & Cosmetic	40	14.600

Example: regenerative end port furnaces, container glass (pharma & cosmetic) in Germany. Heinz group, no tons per day (TPD) selected.

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## Screenshot: Queries



reset PDF 5 Entries, TPD: 2.665, TPA: 972.725, No: 16

Select Groups

- Furnace Type
- Glass Type
- Category
- Country
- Region
- Company Parent

Filter

F-Type 3 selected

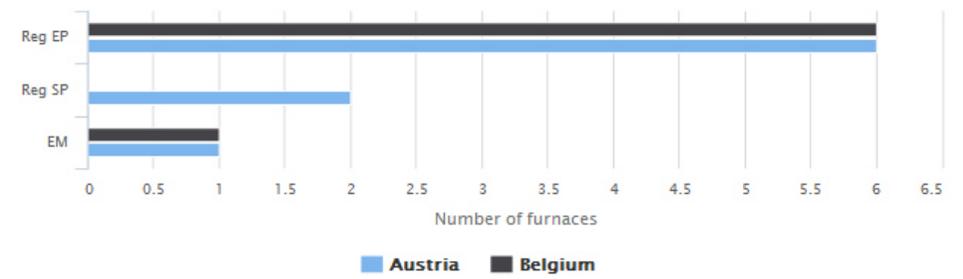
G-Type Container

Country 2 selected

Query Result XLS

Furnace Type	Glass Type	Country	TPD	TPA	No.
Reg EP	Container	Austria	1.160	423.400	6
Reg EP	Container	Belgium	920	335.800	6
Reg SP	Container	Austria	380	138.700	2
EM	Container	Austria	120	43.800	1
EM	Container	Belgium	85	31.025	1

Show me Furnace Type.Country with NO. Furnaces



Example: regenerative side port and end port furnaces and electric furnaces, container glass in 2 European countries, Belgium and Austria. Result visible as bar chart.

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## Screenshot: Selection of Data-Tables



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Home Furnaces Queries Data-Tables ▾ Study News Partner

A screenshot of the glassglobal.com website. The navigation bar includes links for Home, Furnaces, Queries, Data-Tables (with a dropdown arrow), Study, News, and Partner. Below the navigation bar is a search bar with the text "search..." and a magnifying glass icon. To the left, under "Study Chapters", there is a list of chapters: 1. Executive Summary, 2. glassglobal Group / Introduction, and 3. Introduction, with sub-chapters 3.1 Research Methodology, 3.2 Abbreviations, and 3.3 Region and Country Classification. The "Data-Tables" dropdown menu is open, showing options: Financials, Country-Production, Imp/Exp, Demographic (with sub-options "by Category" and "by Country"), Country Profiles, and Downloads. On the right side of the page, there is a banner image showing a 3D bar chart with a red arrow pointing upwards, and the word "Glob" is partially visible.

Browse the chapter “Data-Tables” to read about financials of selected glass producers, production data in selected countries, import and export data as well as demoscopic data, country profiles and downloads.

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## Screenshot: Financials



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Group  ▾

### Group Financials

Category	Chart	Scale	Unit	2005	2006	2007
Revenues		Millions	USD	398	474	688
Gross Profit		Millions	USD	111	128	186
Gross Profit % of R.			%	28,00	27,00	27,00
EBITDA		Millions	USD	104	109	190
EBITDA % of R.			%	26,13	23,00	27,62

Browse the chapter “Data-Tables / Financials” to read about revenues, profit etc. from selected producers, for the past ten years.

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## Screenshot: Country Production



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### Production by Country

Country	Chart	Source	2000	2001	2002	2003
Portugal		FEVE	867.574	919.470	948.909	984.814
Spain		FEVE	1.967.224	2.027.892	2.089.129	2.096.466
Turkey		FEVE	407.000	435.324	468.519	490.000
United Kingdom		FEVE	1.720.466	1.711.741	1.932.430	1.898.745

Browse the chapter “Data-Tables / Country Production” to read about production data from selected countries, starting in the year 2000.

PDF
Country Austria ▾
Category 3 selected ▾
Category Info

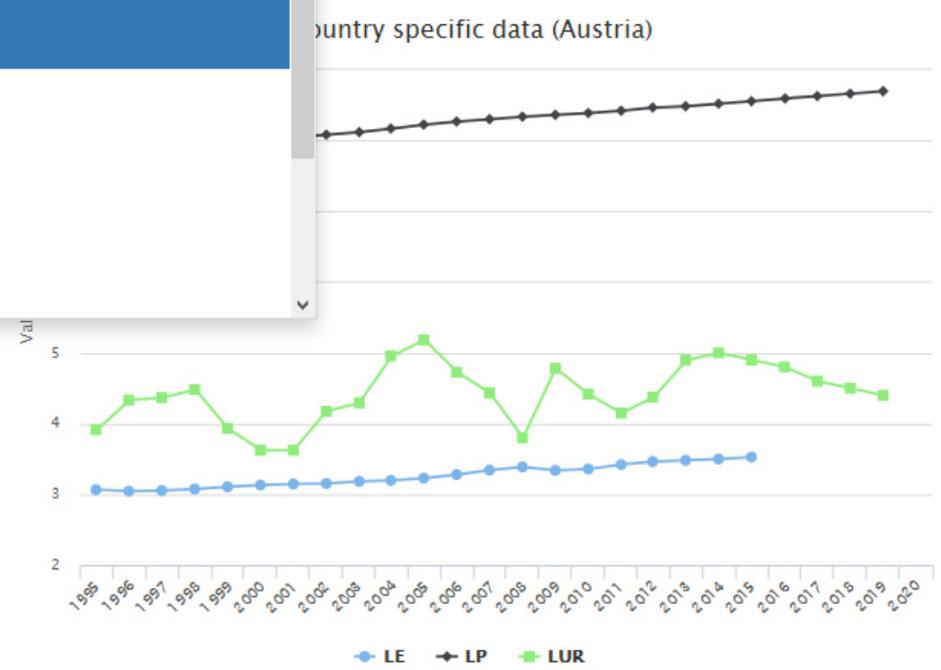
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**Country Data**

Year	LE	LP	
	Mill.	Mill.	
1995	3,068	7,948	
1996	3,047	7,959	
1997	3,056	7,968	
1998	3,077	7,977	
1999	3,108	7,992	3,933
2000	3,134	8,012	3,625
2001	3,148	8,042	3,625
2002	3,155	8,082	4,175
2003	3,185	8,118	4,292
2004	3,199	8,169	4,958
2005	3,23	8,225	5,183

Select all  
 LE, (Employment)  
 LP, (Population)  
 LUR, (Unemployment rate)  
 NGDP, (GDP, current prices)  
 NGDP\_R, (GDP, constant prices)  
 NGDPD, (GDP, current prices)  
 NGDPDPC, (GDP per capita, current prices)  
 NGDPPC, (GDP per capita, current prices)  
 NGDPRPC, (GDP per capita, constant prices)

Country specific data (Austria)



Browse the chapter “Data-Tables / Demoscopic” to read data about selected countries.

Example Austria: Population, Employment, Unemployment Rate

Country 3 selected

Category NGNI, (GNI, current prices)

Category Info

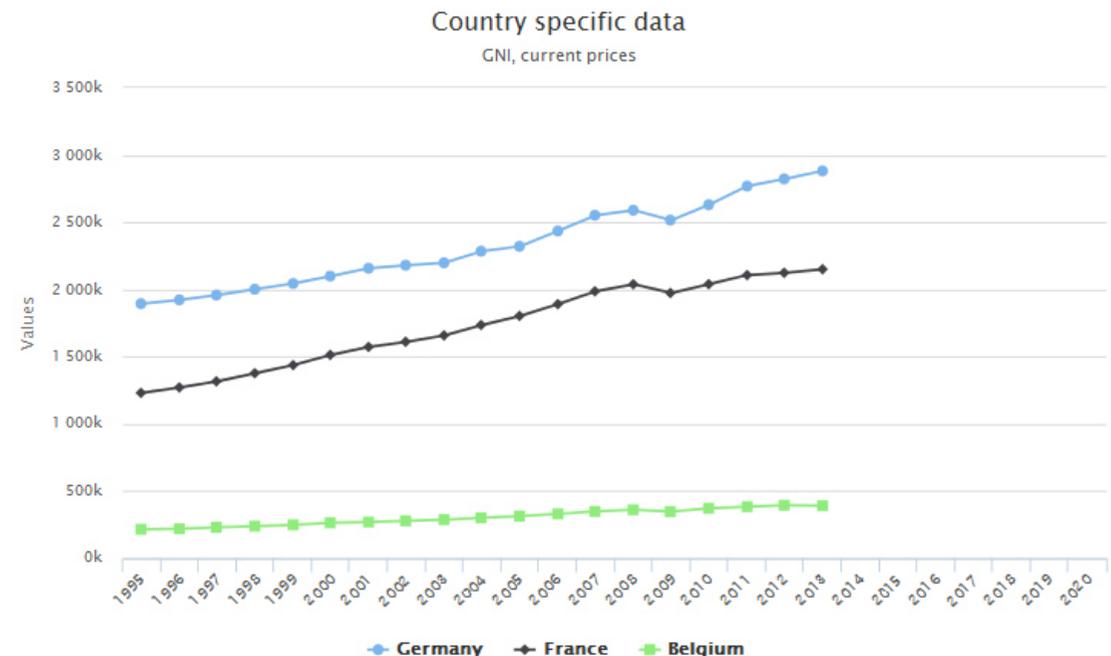
### Country Data

XLS

### Graph

Year	Germany	France	Belgium
1995	1894263	1230612	215802,2
1996	1922736	1270788	220372,1
1997	1958669	1316382	230690,1
1998	2001544	1376961	239307,1
1999	2044413	1436938	249271,1
2000	2099048	1513097	264204,4
2001	2157979	1572414	270112,6
2002	2180217	1610452	279097,6
2003	2198493	1657927	287291,7
2004	2284712	1735639	302066,1
2005	2320730	1802960	313966,2
2006	2435124	1890541	330595,8

<https://plants.glassglobal.com/admin/queries/>



Browse the chapter “Data-Tables / Demoscopic” to read data about selected countries.

Example: Germany, France and Belgium, GNI (Gross National Income)



### Study Chapters

1. Executive Summary
2. glassglobal Group / Introduction
3. Introduction
  - 3.1 Research Methodology
  - 3.2 Abbreviations
  - 3.3 Region and Country Classification
  - 3.4 List of Figures and Tables
4. Glass Basics
  - 4.1 Chemistry
  - 4.2 Raw Materials
  - 4.3 Glass by Application
    - 4.3.1 Hollow
    - 4.3.2 Flat
    - 4.3.3 Fibres
    - 4.3.4 Others
5. Hollow Glass by Application

### Content

## Abbreviations

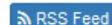
This study uses SI units (m, kg, s, K, etc.), if not otherwise indicated, and standard metric prefixes (G, M, k etc.).

For further abbreviations, see the table below:

Abbreviation	Description
c	Production Capacity
c'	Production Capacity by
Cap. Day	Production Capacity per Day
Cap. Year	Production Capacity per Year
env_wasmun	Eurostat Database MSW
env_waspac	Eurostat Database: Packaging Waste
EPA	United States Environmental Protection Agency

Browse the chapter “Study” to read about glass basics, glass manufacturing process, production plants, company portraits, trends, outlook, production cost, recycling and much more.

### News



### Story

02.07.2015, **India National Green Tribunal survey on glass factories in Firozabad** [more](#)  
The glass industries in Uttar Pradesh's Firozabad district today came under the scanner of the National Green Tribunal which sought response from the...

02.07.2015, **U.S. glass packaging producer expanded its Järvakandi factory in Estonia** [more](#)  
The world's leading glass packaging manufacturer, U.S. concern Owens Illinois opened on June 30th 2015 an extension of its glass packaging factory in...

30.06.2015, **Board of Haldyn Glass approves proposal for JV with Heinz Glas International GMBH** [more](#)  
Haldyn Glass announced that the Board of Directors of the Company at its meeting held on 23 June 2015, approved the proposal for a Joint Venture with...

30.06.2015, **Gerresheimer will sell tubing operations to Corning** [more](#)  
Gerresheimer will sell its borosilicate glass tubing business to Corning / Corning and Gerresheimer enter...

## India National Green Tribunal survey on glass factories in Firozabad

The glass industries in Uttar Pradesh's Firozabad district today came under the scanner of the National Green Tribunal which sought response from the Centre and Central Pollution Control Board (CPCB) on a plea seeking their closure. A bench headed by NGT Chairperson Justice Swatanter Kumar issued notice to Uttar Pradesh government, Union Ministry of Environment and Forests, CPCB and UP Pollution Control Board on a plea of an NGO while seeking their reply by August 3.

The Tribunal was hearing a plea filed by Social Action for Forest and Environment (SAFE) seeking action against "illegal" operation of **60 glass industries which were allegedly operating without the consent of pollution board.**

"60 glass industries in Firozabad are operating without obtaining a valid Consent to Establish and Consent to Operate as is required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974... "That without obtaining the relevant consents, these glass industries are not only violating the law but are also exposing the residents of Firozabad to highly toxic pollutants and worsening the air standards in an already sensitive Taj Trapezium Zone area," the plea, filed through advocate Rahul Choudhary, said quoting an RTI reply.

The NGO claimed that as the country's premier glass industry cluster, Firozabad accounted for about 70 per cent of the total glass production in the small-scale sector. More than 400 registered glass industries are operating in Firozabad which manufacture different types of glass products including glass art wares, domestic wares, hardware and beads, it said.

The plea also sought direction to UPPCB and the Taj Trapezium Zone (Pollution) Prevention and Control Authority to provide a list of all the "illegally operating" glass units and submit a compliance status report on the action taken against them.

Browse the chapter "News" to read about glass producers and their news or plans for the future. Book the RSS Feed.

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## Screenshot: Partner



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**DMA Maschinen- und Anlagenbau GmbH & Co. KG**  
Höxter, Germany

[more](#)

**futronic GmbH**  
Tettngang, Germany

[more](#)

**Horn Glass Industries AG**  
Plößberg, Germany

[more](#)

**Messe Düsseldorf GmbH**  
Düsseldorf, Germany

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**Retorte GmbH**  
Roethenbach, Germany

[more](#)

**Rheinkalk HDW GmbH**  
Herzberg/Harz-OT Scharzfeld, Germany

[more](#)

### Profile

#### Contact Info

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CNUD Glass Engineering Group of BMT SA  
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**Country** Belgium

**Phone** 0032 2 481 88 00

**Fax** 0032 2 481 88 01

**Internet** [www.cnudefco.com](http://www.cnudefco.com)

[Full Profile](#)

#### Contact Persons

**Contact 1.** **Mr. Reint Berghmans**  
Position: COO  
Phone: +32 2 4818830

Browse the chapter “Partner” to read about companies that supported us during the compilation of this market overview. No direct competitors are allowed to be shown here.