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## IC Market Tracking Industrial Gases in Europe 2017

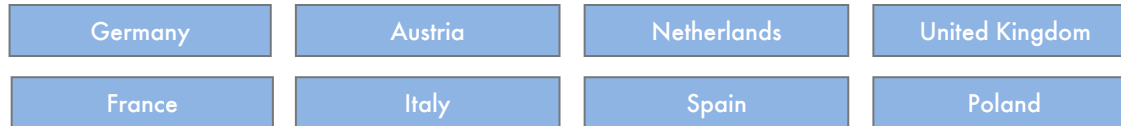
- Germany
- Netherlands
- Austria
- United Kingdom
- France
- Spain
- Italy
- Poland

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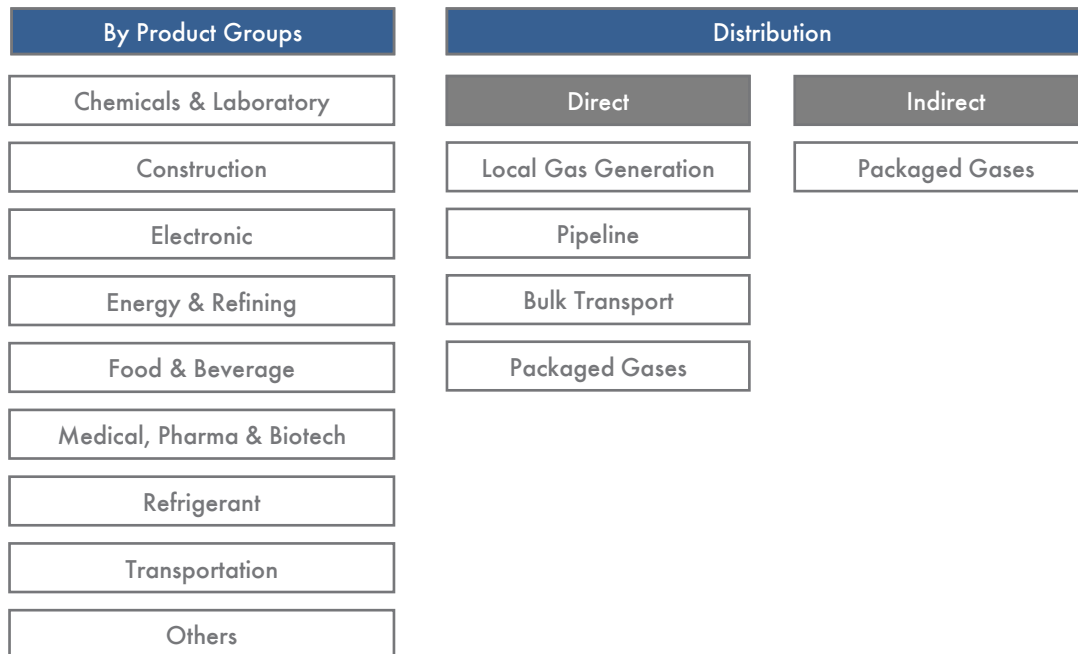
- ✓ You will receive an overview of the **overall market** in addition to **individual market segments**.
- ✓ A detailed **representation of the key markets by country and forecasting until 2020** based off of our econometric forecast model.
- ✓ A **competition analysis** containing detailed **market shares** for selected regions in terms of:
  - The total market
  - Product groups
  - Distribution channels
- ✓ Graphic representation, interactive charts and tables which allow for rapid application and utilization of the provided data.



## Industrial Gases 2017



## Industrial Gases Market



## Definitions – Product group

- Chemicals & Laboratory  
Gases used to support chemical processes such as reactions, water treatment, and paper production
- Construction  
Gases used in welding and cutting, in the production of metals and glass, and in processes in engineering projects
- Electronic  
Gases used in the production of electronic construction components such as special semiconductors, glass fiber
- Energy & Refining  
Gases used in the production of energy sources
- Food & Beverage  
Gases used in the production of food and beverages
- Medical, Pharma. & Biotech.  
Gases used to gain or improve health
- Refrigerant  
Gases used to take over the heating transport in cooling machines
- Transportation  
Gases used in aerospace, automotive, railway, shipbuilding, and trucking manufacturing
- Others  
Gases used in industrial manufacturing that do not fall under any of the categories above

## Definitions – Distribution

- Direct  
The distribution channel is direct from the manufacturer to the end user
  
- Indirect  
Indirect sales through intermediaries (manufacturer through distributors to wholesalers and then to retailers)
  
  
  
  
  
  
  
  
  
  
- Local Gas Generation  
The situation in which gas is produced on-site near or at the location of the end user
  
- Pipeline  
The situation in which gas is distributed through a pipeline directly to the end user
  
- Bulk Transport  
The situation in which large quantities of gas are transported by truck, railway or ship directly to the end user
  
- Packaged Gases  
Packaged gas such as cylinders or other small containers that are distributed in large or small quantities either directly to the end user or indirectly through a wholesaler

# Definition and Demarcation

## Market Data

- All the company figures are based on primary research among the top producers in Europe. The reliability of the collected information was tested by further inquiries with the respective companies if necessary, and through interviews with industry experts and distributors
- Companies that refused to provide information have been estimated according to their own statements, information of traders, competitors, press releases and other associations. All data is cross-checked with experts

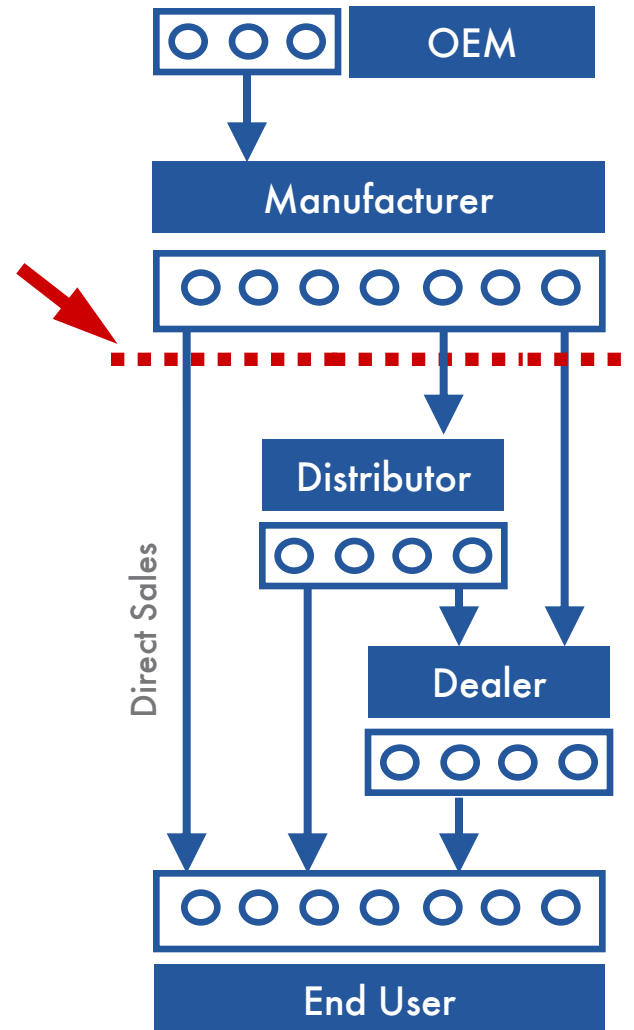
## Units of Measurement:

- Turnover is stated in € 1.000
- Sales Volume is reported in Normal Cubic Meters (Nm<sup>3</sup>)

# What Do We Measure in Our Reports?

Interconnection measures the total sales at street prices without VAT per branch to the first buyer (without OEM)

Sales are segmented by the first distribution partner.



The basis for the analysis were interviews conducted with the most important manufacturers of the branches, who donated information through written questionnaires or telephone interviews. In return, cooperating companies receive parts for free, which guarantees a high rate of return.

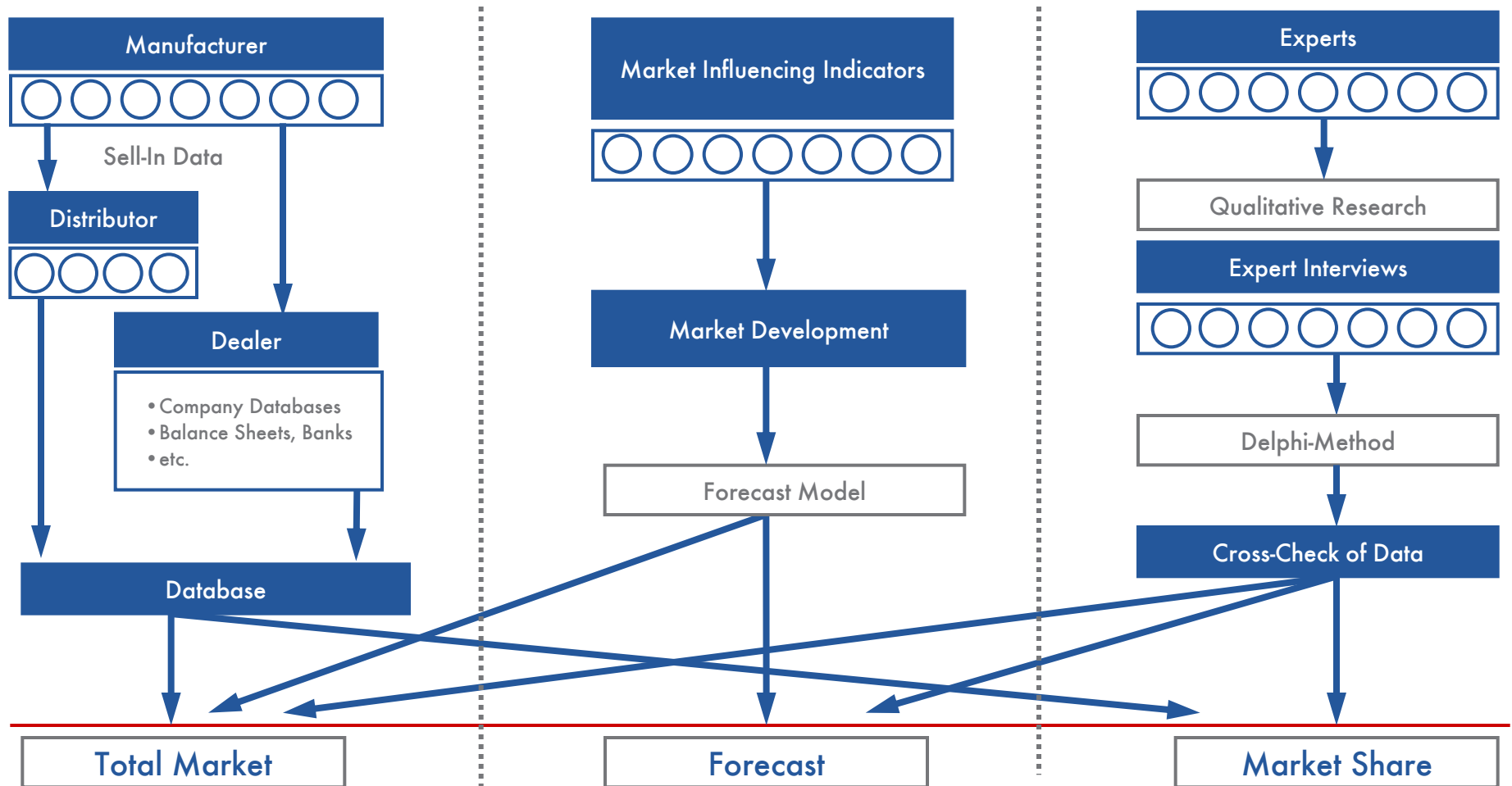
Interviews with distributors and specialised dealers act as a cross-check of the data. In addition, investigations of listings and average prices are carried out.



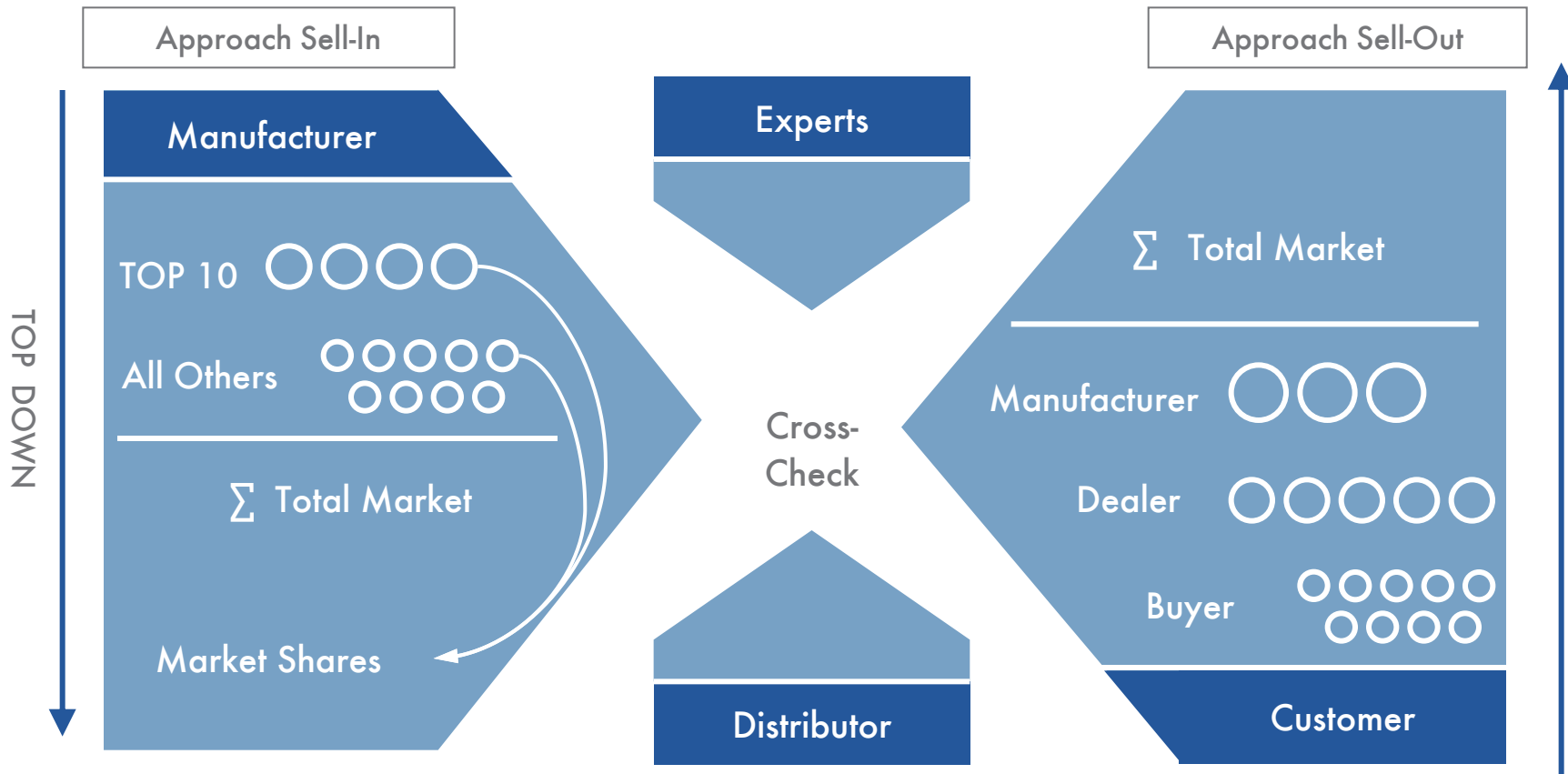
# How Do We Conduct Our Research?

Description Structure of Survey Methodology

Methodology



# How Do we Cross Check the Data?



*The IC Market Tracking® is modularly built and consists of the following sections:*

- The **Introduction** shows the definition and demarcation of product groups, regions, and methodology as well as the objectives of the study.
- The **Executive Summary** gives a short overview of the results of the study and analyses key facts.
- As an introduction key factors influencing the market are analysed in the **Economic Environment**: You will find the most important data on consumer behaviour, main economic indicators, etc.
- The **Total Market Analysis** shows the development of the market surveyed by value and quantity in different dimensions, such as regions, product groups, and ways of distribution. A forecast for the next years is an essential part of this analysis.
- The **Competition Analysis** shows in detail the development of the top companies in the market by finding out about the market shares in different categories, changes in market position, benchmarks, average prices, etc.

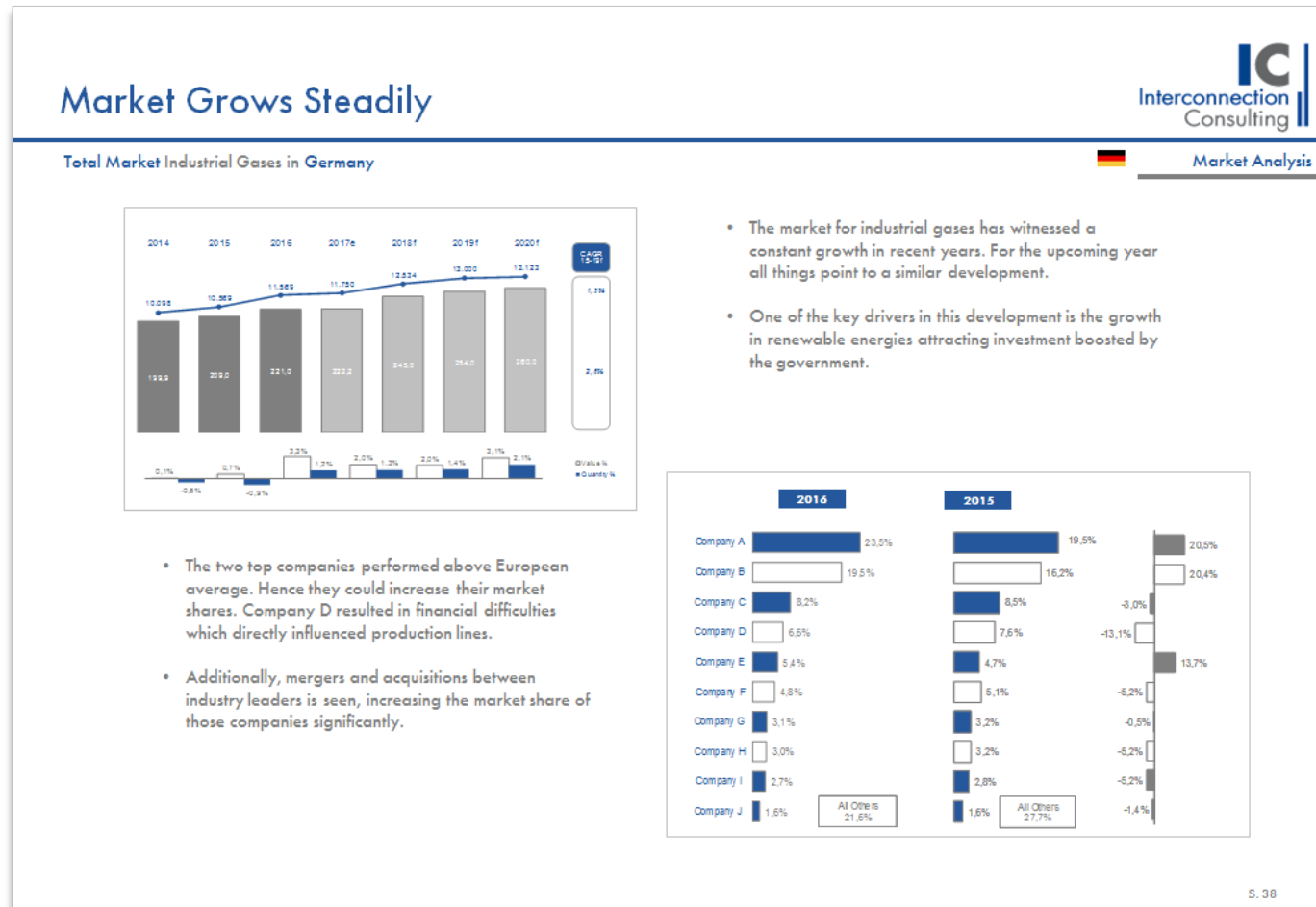
# Content of the Report \*

1. Executive Summary	(ca. 10 pages)
2. Definition and Methodology	(ca. 5 pages)
3. Market Drivers	(ca. 20 pages)
4. Regional Market Analysis and Forecast	(ca. 25 pages)
5. Competition Analysis	(ca. 25 pages)
6. Tables, Facts and Figures, Pivot Table	(ca. 5 pages)

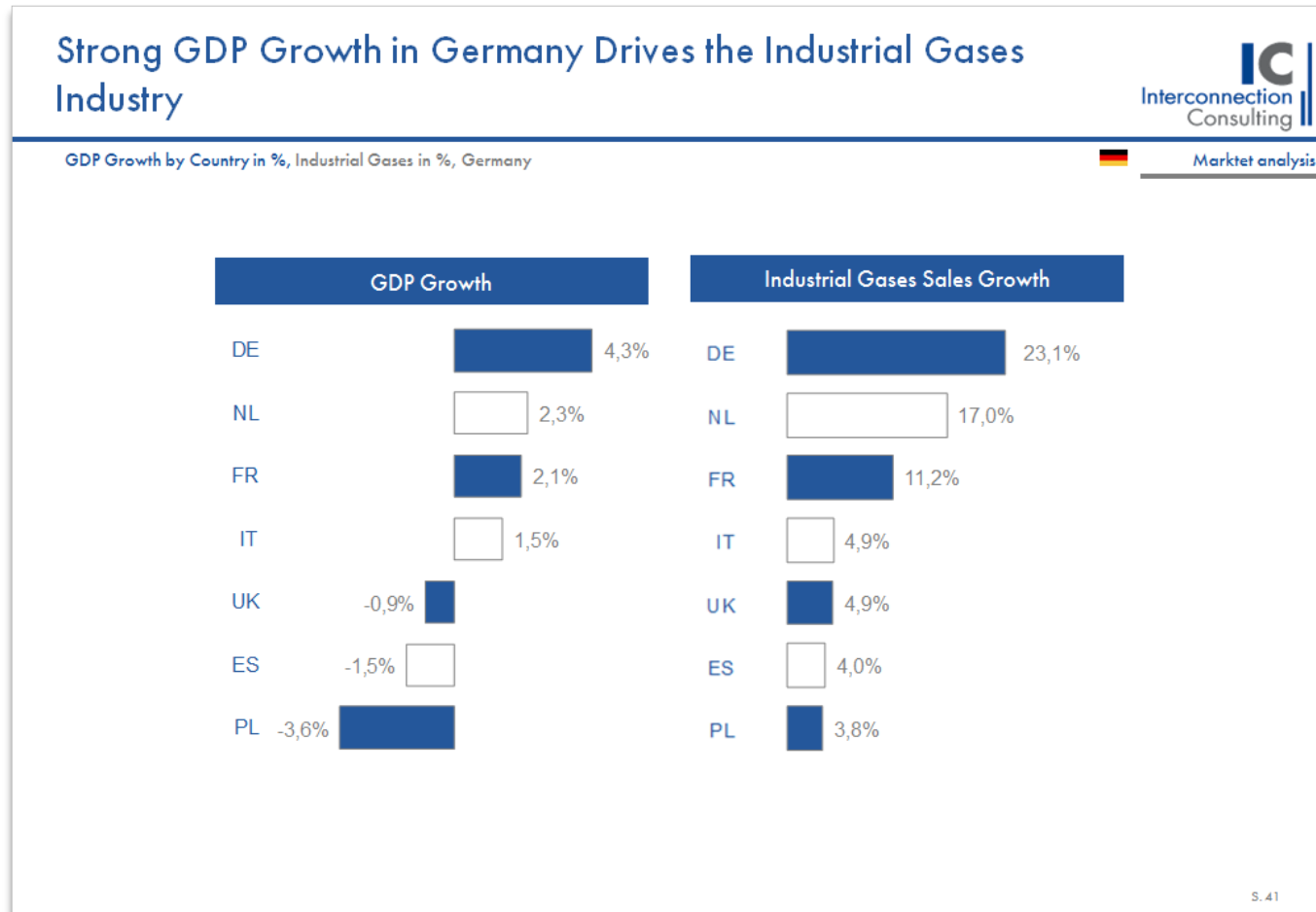
\*Pages based on single country report

# Executive Summary at the Beginning of the Report

- The executive summary comprises all relevant information of the report in precise manner.
- *This chart shows dummy figures.*

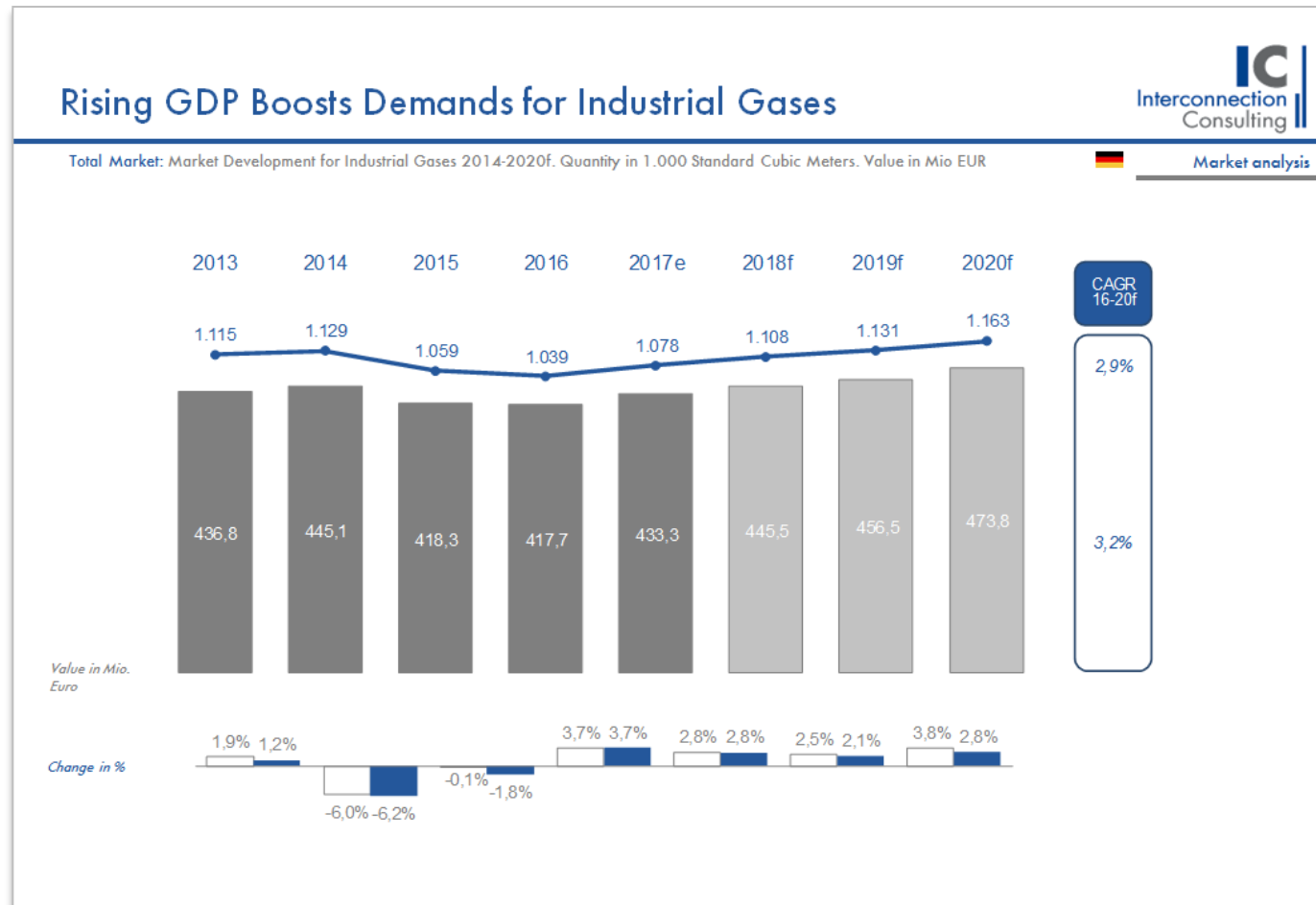


- The data for the market environment consists of main factors such as general economy data, demography, income statistics, construction environment and sentiment indicators.
- *This chart shows dummy figures.*

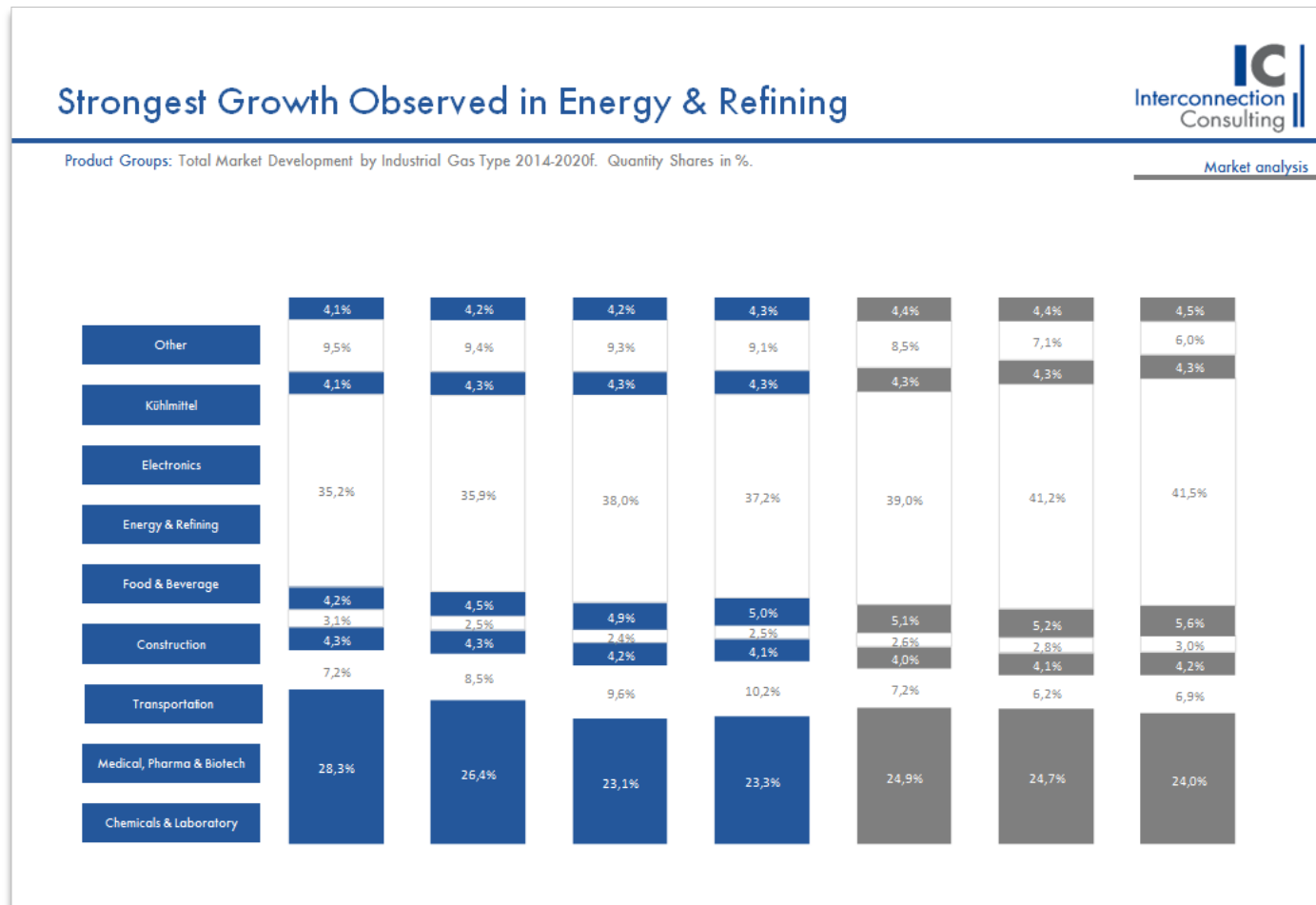


# Total Market Development and Forecast

- Overview of the total market in terms of quantity and value
- Development until the current year and forecast for the upcoming three years
- *This chart shows dummy figures.*

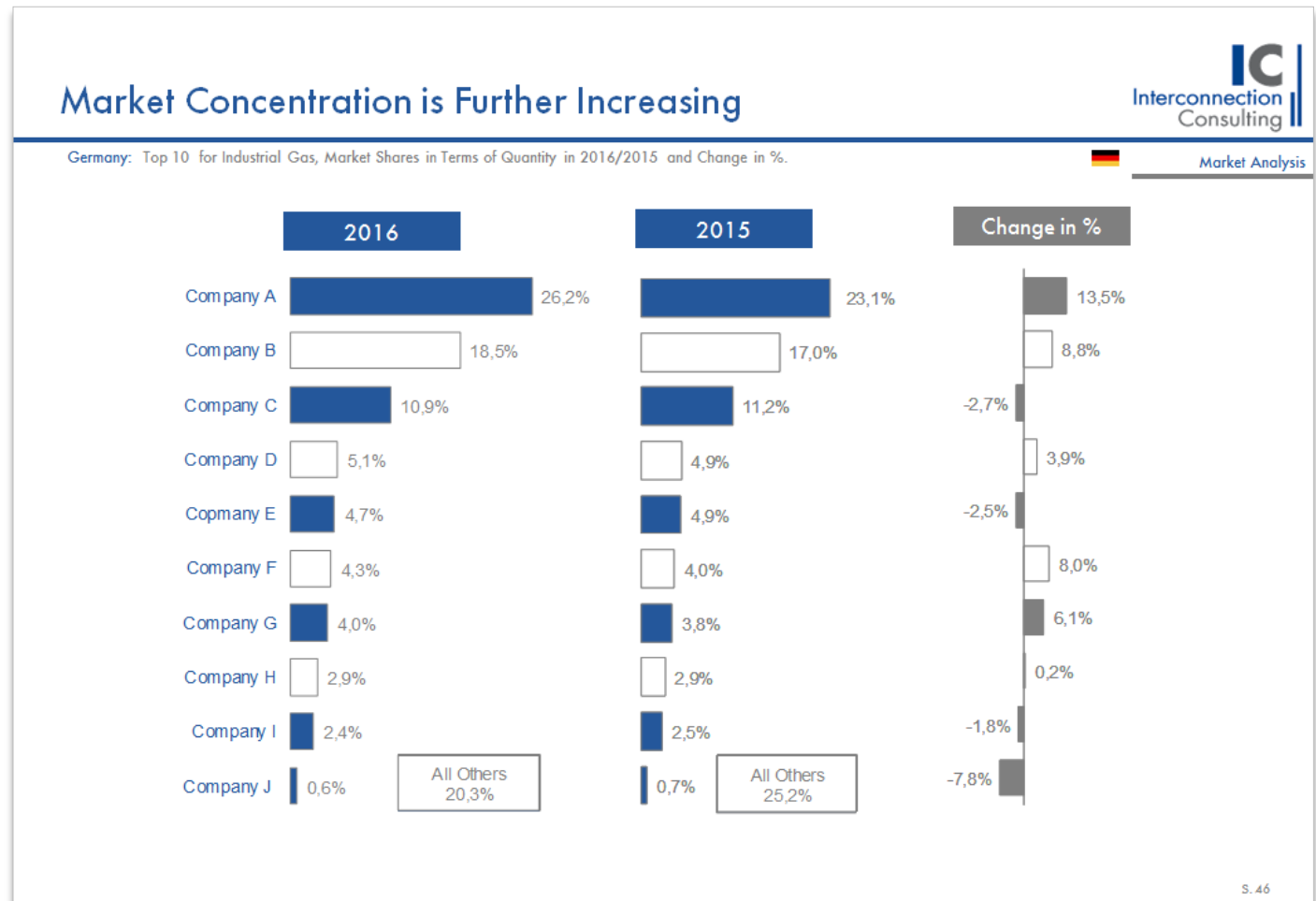


- Overview of the Product Group Segmentation as well as a Forecast for the upcoming three years about their development.
- *This chart shows dummy figures.*





- Detailed description of the most important Companies in the examined market by reference to market shares, changes, BCG-Portfolios, etc.
- *This chart shows dummy figures.*



- In addition to the visualized report a Pivot Table will be included.
- This tool allows individual and selective analyses to be made by the user with the available data, especially when it comes to future trend and segmentation modeling.
- Pivot tables are available for the competition analysis as well as for the total market and forecast studies.

### How to use Pivot Tables

1. Generally, the desired sub-categories (i.e. Technology - A) can be selected with the ordinary drop down menus.

Technology	<b>A</b>
Distribution	(All)
Quarter	<b>4</b>
Quantity/Value	<b>Quantity</b>
Weight Classes	(All)
Country	<b>Germany</b>
Brand	(All)
∅ Price in € (Classes)	(All)


Sum - #	
Segments	Results
<b>Segment A</b>	18.592
<b>Segment B</b>	8.434
<b>Segment C</b>	5.310
<b>Segment D</b>	3.290
<b>Segment E</b>	1.332
<b>Total</b>	<b>36.958</b>

2. If you want to analyse a different category (i.e. Technology), click on the gray field and drag it down to the table.

Distribution	(All)
Quarter	<b>4</b>
Quantity/Value	<b>Quantity</b>
Weight Classes	(All)
Country	<b>Germany</b>
Brand	(All)
∅ Price in € (Classes)	(All)

Sum - #	Technology			
Segments	<b>A</b>	<b>B</b>	<b>C</b>	
<b>Segment A</b>	3.290	5.452		7
<b>Segment B</b>	5.310	8.925		21
<b>Segment C</b>	8.434	10.794		
<b>Segment D</b>	18.592	14.624		13
<b>Segment E</b>	1.332	2.229		6
<b>Total</b>	<b>36.958</b>	<b>42.025</b>		<b>47</b>

# Investment Plan for Your Market Research

	Single Issue	IC Subscription *	Scale of Discounts	
Single Country	€ 2.950,-		€ 5.000	-5%
All 8 Countries	€15.812,-		€ 10.000	-20%
Available Countries	Poland	Germany	Austria	Netherlands
	France	Italy	Spain	United Kingdom

\* **IC Subscription:** 20% price advantage compared to single issue. The subscription can be cancelled after two purchases of the study, but not later than 31st December in the year in which the last study has been received. If the subscription is not cancelled, it is extended by one more year. The price is the individual price for at least two orders of the study (order year and the following year). Price changes must be announced by Interconnection at least six weeks before 31st December.

\*\* **Price Special** (scale of discounts are not applicable, subscription applies)  
Price includes an interactive PDF Document. All prices shown exclude sales tax

# Your Advantages as a Subscription Customer

Please choose between Subscription\* or Single issue

**Subscription\***  **Single Issue**

*As a subscription customer, you will receive the chosen report automatically at a reduced price from now on as soon as the new edition of the report is published. Additionally you have access to the following benefits:*


- **Price advantage** IC Standard Subscription (annual receipt of an IC study or IC study package): **20% price advantage** compared to single issue taking into account the **scale of discount**
- **Annually updated reports** on fixed dates
- One time a year **free web conference** with the Analyst of the report (presentation of key results, background information, answering of questions)
- **Info-Hotline**: answering of questions with regards to the report and on methodological issues relating to market research
- **Flexible subscription packages**: 2-year intervals, alternating countries, product change, etc., if possible. Conditions on request
- **Easy termination**: After 2 issues each subscription can be terminated easily

- Interconnection is one of the leading institutes for market data.
- Our studies support the leading companies in defining targets and marketing strategies, including competition monitoring and control of marketing actions.
- Interconnection draws its Know-how from over 100 international market studies per year and a number of Ad-hoc studies in several industries.
- Next to market data we offer for the construction branch Ad-hoc studies in the field of distribution analyses, pricing, market entry strategies, customer satisfaction, image analyses etc.
- Our Consultant supports companies also when it comes to translating data into actions, i.e. the development of marketing strategies.



# Our Market-Intelligence Tools

### Market Analysis




- Market Volume
- Market Shares & Entry
- Competition Analysis

### Distribution Analysis



- Channel Map
- Distribution Matrix
- Margins

### Customer Insight




- Focus Groups
- Buying Motives
- Customer Benefits

### Market Forecasts




- Indicator Models
- Life Cycle Models
- Econometric Analysis

### Brand Analysis




- Brand Scorecards
- Brand - Triangle
- Brand Affinity

### Customer Satisfaction




- Importance/Satisfaction Portfolios
- Customer Loyalty
- Customer Typology

### Price Research



- Price-Sales-Function
- Price-Simulation-Tool
- Optimal Pricing

### Web**verstärker**



- E Commerce Insights
- Search Engine Marketing
- Web Channel Analysis

*"IC is a permanent partner of ours and provides helpful data for decisions."*

Herr Bernd Blümmers

General Manager, Saint-Gobain Solar Systems Central Europe



**If there are any questions please  
do not hesitate to contact us!**

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we show you the way



## Included in the Report

- interactive PDF, Pivot Tables
- Pages (approx.) 100/ per Country
- Optional: Hard Cover: 150 €

## Price

- Per Country: 2.950€
- All 8 Countries: 15.812€

Detailed Information about special offers, scale of discount as well as subscription prices are presented within the order form or the interactive price calculator.



## Options of ordering – Fax: +43 1 5854623 30

- Click „Buy Now“ on the website and make your order with the interactive price calculator.
- Print out your order form (at the end of the “Full Details” document and fill in your data.

## Content of the Market Report

### Structure of the Study

#### Language of the report

English, German on Request

Introduction, Market Structure & Executive Summary Definition and demarcation of product groups, regions and methodology; summary of study results

#### Market Drivers

Key economic factors influencing the market: consumer behaviour, main economic indicators etc.

#### Total Market Analysis

Total market development and forecasts for all market segments in quantity and value by regions, product groups, driving system types and application fields and automation.

#### Competition Analysis

Market development by value for each country and segment. Market shares of the top manufacturers for each region and for each application for the last two years.

### Market Structure

#### Countries:

Germany, Austria, Netherlands, Spain, Italy, Poland, France, United Kingdom

#### Gas Industry Product Types

Chemicals & Laboratory, Construction, Electronic, Energy & Refining, Food & Beverage, Medical, Pharma. & Biotech., Refrigerant, Transportation, Other

#### Sales Channel

Direct – via manufacturer  
Indirect – Distributor/Dealer

#### Distribution

Local Gas Generation – on-site  
Pipeline – directly to end user by pipeline  
Bulk Transport – Large quantities by truck, train, or ship directly to the end user  
Packaged Gas – large or small quantities packaged in e.g. cylinders either directly or indirectly distributed

### Methodology

#### Methodology and Data Sources

The market and competitive analysis is conducted through interviewing the most important manufacturers in the respective industry. All data are cross-checked for plausibility and evaluated by means of additional sources of information.

**The market models and forecasts are based on** economic indicator models, which are developed individually for each market. The influencing factors are analysed by means of multivariate regression analysis and updated each year.

The economic indicators and environmental data are a result of secondary research of prestigious statistical institutes and are supplemented by internal market analyses.