



Ensuring safe food production by providing guidance as an authority on hygienic engineering and design for food manufactured in or imported into Europe

HYGIEN

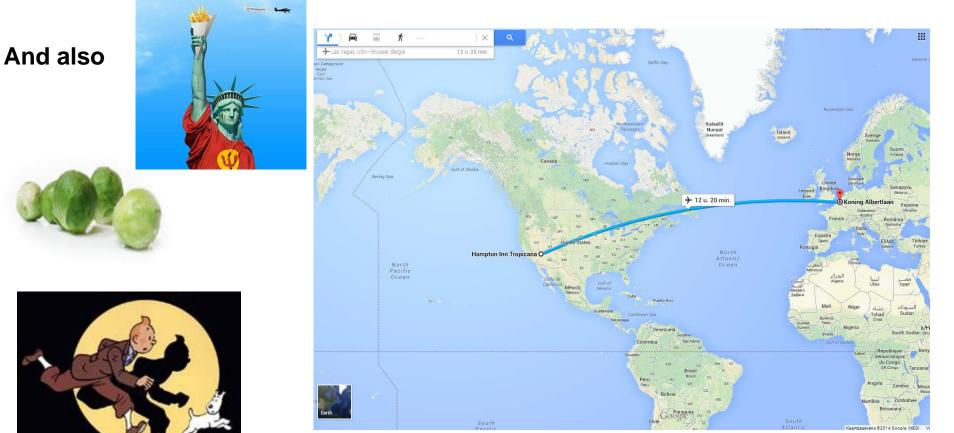








Belgium, land of beer and chocolates...











We protect what's important - helping people live healthier, eat better and ship products safely around the world. We strive to be the global leaders in food safety & security, facility hygiene and product protection.

Approximately 25,000 employees

**Sealed Air** 

- Net sales of ~ \$8 billion
- Operations in 62 countries with distribution reaching 175 countries
- 145 manufacturing facilities
- 56 Labs/Research Facilities
- More than 500 scientists and engineers
- More than 1000 equipment and application experts
- 4,600 patents
- More than 9000 trademarks







Although manufacturers and food companies comply with standards and regulations, yearly thousands of food-born diseases happen as a result of not hygienically designed food processing equipment, process lines or plants.

The reason is that there are two major gaps:

- Lack of practical guidelines
- Lack of education

HYGIEN







## What is EHEDG?

EHEDG was founded 1989 as a non-profit consortium of:

- Equipment manufacturers
- Food industries
- Suppliers to the food industries
- Research institutes and universities
- Public health authorities

Since that time, the European Hygienic Engineering & Design Group is guiding the industry in hygienic design solutions by offering practical guidelines, test procedures, training and education.









## **EHEDG** tasks and objectives

- Fill the existing gaps by practical guidelines and education
- Offer expertise and networking on a voluntary basis
- Discuss and further develop hygienic design issues
- Prepare scientific and technical guidelines on all aspects of state-of-the-art hygienic design requirements in accordance to EU legislation
- Develop test methods in order to identify and eliminate HACCPs of equipment used in food production







### **EHEDG** tasks and objectives

- Offer training courses, seminars and workshops on hygienic design
- Strengthen the participation in standardisation bodies like CEN, ISO, DIN, JIS, 3-A, NSF etc.
- Strengthen the cooperation with the EU (i.e. food contact material directive, traceability and other EU-Projects)
- Promote and disseminate hygienic design know-how by print media, congresses, seminars and workshops

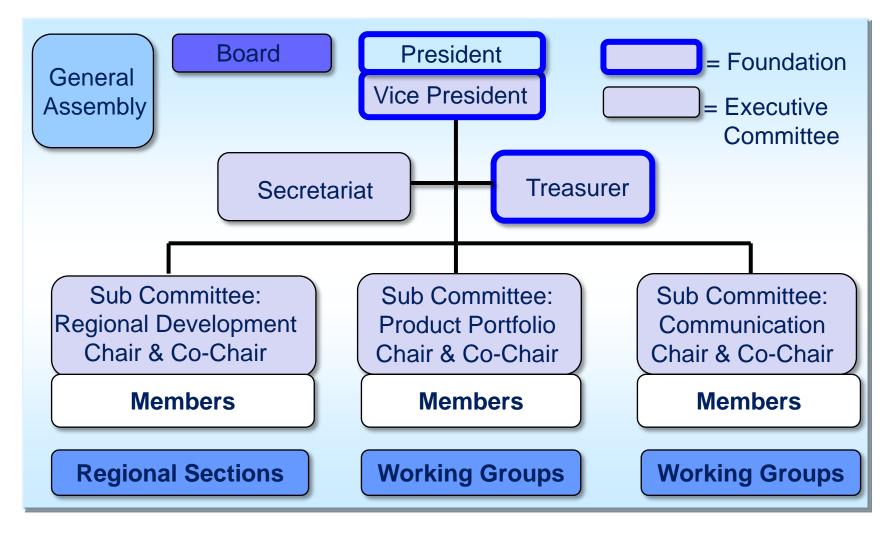








## **Structure of the EHEDG**











"EHEDG enables safe food production by providing guidance as an authority on hygienic engineering and design for food manufactured in or imported into Europe" (EHEDG ExCo, mission agreement 2012)







# **EHEDG Strategy Discussion**

- The **Executive Committee** is appointed by the Board (every 3 years).
  - Members: President, Vice-President, Treasurer as well as the Leaders and Co-Leaders of each Sub-Committee.
  - Main tasks: to drive implementation of EHEDG work plans and approved work programmes, develop a strategy for EHEDG with annual budgets, fees and plans, secure approval by the Board. The Executive Committee regularly communicates important decisions, progress and accomplishments to the members.
- In addition, the following **Sub-Committees** are established to develop the future organisational structure of EHEDG in the following thematic clusters:
  - Product Portfolio (Guidelines/Subgroups, Training, Certification)
  - Regional Sections
  - Communications & Membership relations
  - Sub-committees consist of a leader, a co-leader and appointed members (experts in the field). The role of the Sub-Committees is to lead and develop the specific strategies and programs in relation to their own area of responsibility.







## **EHEDG Membership Development**









# **EHEDG Working Groups**

#### **Active:**

- Air Handling\*
- Bakery Equipment
- Building Design\*\*
- Cleaning in Place
- Cleaning Validation
- Conveyor Systems\*\*
- Dry Materials Handling
- Fish Processing
- Food Refrigeration\* (finalization of draft 2005)
- Heat Treatment (Update of Doc. 1 and 6)\*
- Materials of Construction in Contact with Food (update of Doc. 32)\*
- Mechanical Seals\*

- Open Equipment\*
- Seals
- Tank Cleaning
- Test Methods
- Training & Education
- Valves\*
- Welding\*

#### **Projected:**

- Membrane Filtration
- Hygienic Equipment (i.e. brushes)
  - \* = Update of existing documents
  - \* = Draft under final review

Today: Over 400 voluntary experts actively involved into 19 Working Groups 42 guidelines published - THANK YOU !

for further information see www.ehedg.org







# EHEDG Working Group Tasks

The EHEDG Working Groups meet to develop guidelines and revise existing documents (based on reference documents, research work and development of own test methods).

The Working Groups highlight selected topics and describe typical problem statements, hygiene risks as well as causes of faults and defects.

- EHEDG guidelines define likely weak points and describe problem solving; they are picture-illustrated and practically oriented
  - → Keep things simple and easy to understand!
- Where appropriate, guidelines are added by special considerations (i.e. trouble shooting, traceability and maintenance tasks)
- EHEDG documents are harmonized with 3-A standards

Further, the EHEDG Working Groups provide guideline translation by experts who are native speaking experts and they publish technical articles

For activities and expertise required, see www.ehedg.org > News > Working Group Activities







## **Regional Sections**

#### EHEDG is growing world wide and has members in 55 countries today

#### **Existing Regional Sections (24):**

Armenia, Belgium, Croatia, Czech Republic, Denmark, Germany, France, India, It aly, Japan, Lithuania, Macedonia, Mexico, Neth erlands, Nordic (FI, S, NO), Poland, Russia, Serbia, Spain, Swi tzerland, Taiwan, Thailand, Turkey, Ukraine

#### Coming soon:

Brazil, China, U.K., Uruguay



A global network!

for further information see www.ehedg.org









## **EHEDG Regional Sections - Tasks**

#### Disseminate know-how in hygienic design by

- Organization of seminars and workshops
- Organization of local training courses
- Organization of trade shows

#### Guideline translation Publications and articles Activities to gain new members Translate EHEDG website contents, publish local news on the web and in the Newsletter

Prepare and fulfil an annual business plan







# **EHEDG Regional Sections – YOUR Network**

#### The "Big Thirty":

Make use of the EHEDG to strengthen your relations with the important market players who are part of our network and also involve your subsidiaries abroad. Please recommend us and let us know of your contacts at site to get them connected to EHEDG

We enhance the reputation of our member companies and help them to become leaders in hygienic design and processing.

We provide networking on an international level, opportunities for the establishment of global contacts and are interlinking our Regional Sections.





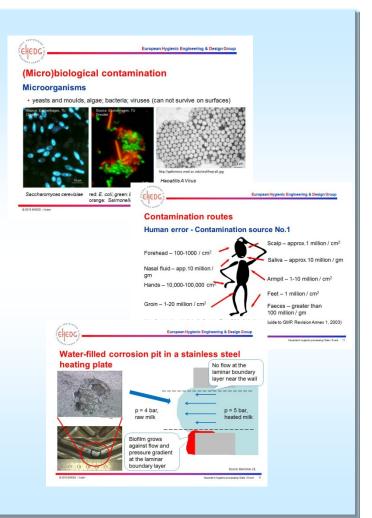






## **EHEDG Education and Training**

- EHEDG provides international, high-level training & education and our training material is developed by recognized experts in the field
- Translation of the training material into many languages is in progress by the regions
- The ,International Advanced Course on Hygienic Design' is standardized and offered in many countries
- EHEDG courses in 2014: Germany, Italy, Japan, Mexico, Netherlands, USA, Spain, Taiwan, Turkey
- Attendees who have successfully passed an EHEDG training course exam are published on our website (if agreed).









## **EHEDG Publications**

42 guidelines (many available in different languages)

Extended guideline summaries available in *Trends in Food Science and Technology* 

Yearbook – new issue 2015/2016 under preparation Handbooks:

- Hygienic Design of Food Factories\*
- Hygiene in Food Processing \*
- Handbook of Hygiene Control in the Food Industry \*

EHEDG members receive a 35 % discount on above Woodhead publications

Articles in technical press and journals: New Food, Food Engineering, Journal on Hygienic Eingeering & Design and others









#### **EHEDG Website**

The website www.ehedg.org is the major EHEDG information and communication platform

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Home More about EHEDG Regional Sections	<ul> <li>Welcome to EHEDG</li> <li>The European Hygienic Engineering &amp; Design Group (EHEDG) is a consortium of equipming food industries, research institutes as well as public health authorities and was founded in 19 promote hygiene during the processing and packing of food products.</li> <li>The principal goal of EHEDG is the promotion of safe food by improving hygienic engineering a aspects of food manufacture.</li> <li>EHEDG actively supports European legislation, which requires that handling, preparation proce packaging of food is done hygienically using hygienic machinery and in hygienic premises (EC 2006/42/EC for Machinery, EN 1672-2 and EN ISO 14159 Hygiene requirement).</li> <li>The EHEDG mission is defined as:</li> <li>"EHEDG enables safe food production by providing guidance as an authority on hygie and design for food manufactured in or imported into Europe". The mission statement of the EHEDG Statutes which were extensively revised in the past years and relaunched in Jain For more information please download</li> <li>the <u>EHEDG Statutes</u></li> <li>the <u>Organisational chart</u></li> <li>the <u>EHEDG brochure</u></li> <li>the <u>EHEDG brochure</u></li> <li>the <u>EHEDG brochure</u></li> <li>The EHEDG Lintroduction movie (turn on the sound). Duration: 4:15 min.</li> </ul>		<u>Taiwan</u> <u>Thailand</u>	EDG \ pre	HEDG World Congress on Hygienic Engineering and Design 2014 — Italy News Working Group Valves World Congress on Hygienic ring and Design 2014 - Italy







### **EHEDG Website**

All Working Group information is available from the website back-end download section

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Webshop

Guidelines can by purchased by non-members and individual members (at a 50% discount) from the webshop which is interlinked from "Guidelines" on the EHEDG website

Ihr Warenkorb: **VDMA** Verlag Sie haben noch keine Produkte in Ihrem Warenkort Suchen Über uns Hilfe / FAQ Ihr Konto | Merkzettel | Warenkorb | Kasse Home Katalog » EHEDO EHEDG Kategorie nformatione Bedingungen Auslieferung Rückfrage? Fehler entdeckt? EHEDG Siteman Zum Print-Shop armenisch Zahlmethoden deutsch SSL englisch Callback Service Neues Kundenkonto anlegen französisch >> Umsatzsteuer-ID View and select here all guidelines published by the European Hygienic Engineering and Design Group (EHEDG). This webshop is regularly italienisch updated and complemented by new and updated documents in various language versions. The search function can be used to look for mazedonisch niederländisch keywords mentioned in the guideline titles and contents (full-text search). spanisch ukrainisch If interested to benefit from discounted or complimentary guideline downloads you are welcome to apply for an EHEDG Individual Download-Bündel Membership or a Company/Institute Membership. For further information please see here! Entscheidungshilfen Download a complimentary copy of the EHEDG Glossary and EHEDG Doc. 8 - Hygienic Equipment Design Criteria. + FEM -+ Fiber Year EHEDG Company and Institute EHEDG have free access to the Members by donwload from our guidelines website guidelines website Survey of all language versions + Forschungshefte (FKM) 1 Microbiologically safe continuous pasteurization of liquid food. Verträge dutch | english | french | ukrainian World Robotics 2011 nur als Print verfügbar... 2 A method for assessing the in-place cleanability of food processing equipment. armenian | dutch | english | french | german | italian | macedonian | spanish Sprachen 3 Microbiologically safe aseptic packing of food products. \* armenian |dutch | english | french | ukrainian Mehr über. 4 A method for the assessment of in-line pasteurisation of food processing equipment. Impressum AGB armenian | dutch | english | french | ukrainian Widerrufsrecht Zum Print-Shop 5 A method for the assessment of in-line sterilisability of food processing equipment. zum Print-Shop armenian | dutch | english | french | german zum Gesamtverzeichnis Bücher 6 The microbiologically safe continuous flow thermal sterilisation of liquid foods. dutch | english | french | ukrainian 7 A method for the assessment of bacteria-tightness of food processing equipment





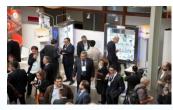


# **EHEDG Events & Congresses**

EHEDG World Congress on Hygienic Engineering & Design, 30 - 31 October 2014 in Parma/Italy in conjunction with Cibus Tec – Food Pack

#### **Topics**







The congress will be a 'summit' in hygienic design and will highlight the following topics:

- Hygienic design of equipment for the food, pharmaceutical and cosmetics industries
- Hygienic design of food factories and utilities
- New trends in cleaning & disinfection, surface treatments, validation, sustainability and others
- Materials in contact with the product

#### Programme

- 2 days international congress
- Excellent sponsoring opportunities and exhibition area for companies
- Call for articles and poster's area
- One-to-One business meetings
- Official congress dinner
- Guided exhibition tour
- Hygienic Study Awards Ceremony







### www.ehedg-congress.org

Please visit the congress webpage for all programme details, sponsorship opportunities and registration









# **EHEDG Individual Membership**

- 50 % discount on the sales price of EHEDG guidelines
- Complimentary copies of selected guidelines (for working party members being co-authors)
- Discounts on other selected publications
- Discount on registration fees to conferences, seminars and training courses
- Free copy of EHEDG reports and the yearbook
- Networking with other members on issues of common interest
- All individual members receive general information about EHEDG and have the option to join a Regional Section and its activities.

Individual **Working Party Members** contribute to EHEDG by their know-how and are addressing themselves to the task of developing and writing up guidelines in a team of other experts.

**Corresponding Members** receive minutes of the working group meetings and updates on the progress of their work. **Individual Membership fee: 100 Euros p.a.** 

#### Online Registration: www.ehedg.org > Membership > Individual Membership









Graduated membership fee depending on food-related turnover

 Whole series of EHEDG guidelines in all languages including updates (to be downloaded from the EHEDG website) available to all staff members



- Contribute to work of EHEDG Working Groups and co-decide on Working Group activities
- Use of the EHEDG Company Member Logo under agreed conditions
- One to four complimentary staff memberships
- Discounts on other selected publications, discounted registration fees to conferences, seminars and training courses
- Publication of company logo and link on the EHEDG Website and in other print media
- Discounted or complimentary EHEDG training toolbox

#### Online Registration: www.ehedg.org > Membership > Company Membership

HYGIEN









# **EHEDG Institute Membership**

- Available to institutes, universities, schools, research centres and governmental authorities
- Same benefits like company members including use of the "Institute Member" Logo at a reduced membership contribution of EUR 500 p.a.



#### Online Registration: www.ehedg.org > Membership > Institute Membership







### **EHEDG Benefits**

- EHEDG creates a central, internationally recognized source of excellence on hygienic engineering
- We provide networking on an international level, opportunities for the establishment of global contacts and are interlinking our Regional Sections
- We are a platform for an exchange of state-of-the-art know-how and offer advancement in knowledge
- We provide influence in setting global standards and rules and have impact on regulatory bodies
- We are offering a legal basis by practically demonstrating how to follow existing requirements and standards
- Our guidelines are referenced by international organisations and provide practical know-how
- Our guidelines are created by gathering the expert know-how of our members who are equipment manufacturers of food and packaging machinery as well as food processing companies, research institutes and health authorities







## **EHEDG Benefits**

- We follow up new trends and help to share, disseminate and canalize hygienic design know-how
- We extend the EHEDG mission to "environmental issues" and are aiming to support food safety and sustainability
- We evaluate hygienic design in relation to shelf-life
- We provide international, high-level training & education and our training material is developed by recognized experts in the field
- We provide equipment certification by EHEDG-accredited test institutes
- Our certification methods are continuously further developed and complemented by new test methods
- We provide reference publications like the EHEDG Yearbook and press articles in scientific journals and trade magazines
- We enhance the reputation of our member companies and help them to become leaders in hygienic design and processing







#### For questions or further information please contact:



EHEDG Secretariat, c/o VDMA Lyoner Strasse 18 60528 Frankfurt am Main Deutschland

Susanne Flenner (Office Manager) Jana Huth Johanna Todsen

secretariat@ehedg.org Phone: +49 69 6603 1217 www.ehedg.org



