



Association for  
Indoor Climate,  
Process Cooling,  
and Food Cold Chain  
Technologies



# **EUROVENT SUMMIT ANTALYA**

**25-28 OCT 2022**

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**# B u i l d i n g B r i d g e s**

[www.eurovent.eu](http://www.eurovent.eu)



# **EUROVENT** **SUMMIT** ANTALYA

**25-28 OCT 2022**

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**# B u i l d i n g B r i d g e s**

# Meeting of the Eurovent Product Group 'Evaporative Cooling Equipment' (PG-CT)

Thursday, 27 October 2022, 09:30-12:45, Akasya

# Good to know

What can you expect today?

# Good to know

## Thursday, 27 October 2022



#BuildingBridges

WHEN?	WHAT?	WHERE?
11:00-11:30h 15:30-16:00h	<b>Coffee Break</b>	Foyer (Floor 1)
12:45-13:45h	<b>Lunch Break</b> (Powered by ABB)	Meeting room Ladin + Foyer (Floor 1)
09:30-12:45h	<b>Fireside Chat:</b> Future of industry exhibitions in the post-pandemic world (Powered by ISK-SODEX)	Side Ballroom (Floor 1)
19:00h	<b>Gathering for Legends of Eurovent</b> (Powered by Baltimore Aircoil Company) <b>PLEASE BE ON TIME</b>	Hotel lobby

# Good to know

## Thursday, 27 October 2022



# Building Bridges

### **Fireside Chat: Future of industry exhibitions in the post-pandemic world (Powered by ISK-SODEX)**

- Time: 13:45-16:45h
- Location: Side ballroom (floor +1)
- Exhibition organisers, associations, manufacturers and external service providers sit around one table and discuss the future of our exhibitions. What will it be? Online? Offline? Hybrid?
- Find out more in this interactive fireside chat led by our own Markus Lattner, a true exhibition veteran and expert on cross-industry relations.

# Good to know

## Thursday, 27 October 2022



### Legends of Eurovent (Powered by Baltimore Aircoil Company)

- Starts at 19:45h
- Gathering at 19:00h in the hotel lobby, bus transport to the venue.
- In the spirit of the ongoing generation change in the Eurovent community and the entire industry, join us in honouring several industry legends for their invaluable contributions and presenting them with life-long recognition.
- Thursday night will see the true Hall of Fame of Eurovent and will be accompanied by interesting anecdotes from the history of the association.

# Thank you to our sponsors and partners

Who made the 2022 Eurovent Summit possible?



# Co-organiser



# Building Bridges



# iskid

- [ISKID](#) is the Turkish Air Conditioning and Refrigeration Manufacturers' Association. ISKID was established in 1992 with the contributions of prominent companies in the air conditioning and refrigeration sector, to conduct work towards making the HVACR Industry development healthier and faster. Over 100 member companies are gathering under ISKID's roof to conduct activities for the development of the sector and to stay in high-quality standards. As this edition of the Eurovent Summit takes place in Turkey, the association has become co-organiser of the event, as well as organiser of a Turkish-English seminar programme.

# BridgeBuilding Partner



- [UL Solutions](#) is a global leader in applied safety science.
- UL Solutions transforms safety, security and sustainability challenges into opportunities for customers in more than 100 countries.

# BridgeBuilding Supporter



- [Baltimore Aircoil Company](#) develops, manufactures and distributes evaporative cooling products, offering innovative and sustainable cooling solutions for saving water and energy in air conditioning, refrigeration and industrial process applications.

# BridgeBuilding Supporter



- CEIS is a Spanish testing, innovation and service centre offering well-recognised testing programmes for air conditioning and heat pump appliances. This year, CEIS has become a proud supporter of the Eurovent Summit for the third time in a row.

# BridgeBuilding Supporter



## J2 INNOVATIONS

A Siemens Company

- [J2 Innovations](#), a subsidiary of Siemens, is a provider of control and management software for HVAC and refrigeration equipment.
- J2 Innovations created FIN Framework; the next generation software platform for building automation and IoT applications in buildings.

# BridgeBuilding Contributor



- [ABB](#) is a leading manufacturer of drives, motors and controls for HVACR applications with a global footprint, supporting the industry across the world with products and services.

# BridgeBuilding Contributor



- [Turkish HVACR Exporters Association \(ISIB\)](#) is the only coordinator and exporter association in Turkish HVACR sector. Established in 2012, ISIB works towards bringing together all the exporter companies active in the Turkish HVACR sector under one roof and increasing the export potential of the sector.



# Other Sponsor



- [Boreas Technology](#) engages in manufacturing and sales of DC Master Adia Mechanic Cooler and CRAC/CRAH models which are specially designed for data centres as well DC Pro units, air conditioning units distinguished for their authentic design, and central air- conditioning equipment. With its know-how of more than 20 years, it offers state-of-the-art solutions for critical buildings such as hospitals, malls and hotels as well as industrial buildings and data centres in various countries in the world. As the choice of leading global brands, the company is dedicated to offering technology solutions for a sustainable world with high efficiency, customised products thanks to its R&D investments and engineering know-how.



# Other Sponsor



- [FRITERM](#) is one of Europe's leading manufacturers of heat exchangers, providing solutions for industrial applications throughout the EMEA region.

# Other Sponsor



- [Systemair](#) is a leading ventilation company with operations in 50 countries globally, manufacturing and market high-quality ventilation products.

# Other Sponsor



 **Part of your business**

- [WIKA](#) is a global market leader in pressure, temperature and level measurement technology. Working together with our customers, we develop comprehensive solutions based on our high-quality measurement technology components, with the solutions ultimately being integrated in their business processes. We deliver 50 million quality products to over 100 countries every year. Worldwide, approximately 600 million WIKA measuring instruments are in use. WIKA employs around 10.000 people and owns over 40 subsidiaries worldwide. For the third time in a row, WIKA is proud to support the Eurovent Summit.

# Exhibition Partner



- [ISK-SODEX](#) Istanbul is an International HVAC, Refrigeration, Insulation, Pump, Valve, Fitting, Water Treatment, Fire Prevention, Pool and Solar Energy Systems Exhibition.

# Exhibition Partner



- [Climatización y Refrigeración \(C&R\)](#), an international exhibition in Spain in HVAC and Refrigeration, is one of the most important events which showcases the technological innovation and commitment to sustainability and energy efficiency of this industry.

# Thank you to our partners

## Meet them in the foyer



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### BRIDGEBUILDING PARTNER



### BRIDGEBUILDING SUPPORTERS



### BRIDGEBUILDING CONTRIBUTORS



### OTHER SPONSORS



### GLOBAL SUPPORTERS



### ORGANISERS



### OFFICIAL AIRLINE





# Meeting of the Eurovent Product Group 'Evaporative Cooling Equipment' (PG-CT)

Thursday, 27 October 2022, 09:30-12:45, Akasya

# About this Product Group

Eurovent Product Group 'Evaporative Cooling Equipment' (PG-CT)



The Eurovent Product Group 'Evaporative Cooling Equipment' covers Wet Cooling Towers, Open Circuit Towers, Fluid Coolers, Closed Circuit Towers, Evaporative Condensers, Hybrid Models and components related to these products (e.g. Fans and Drift Eliminators). It is the main working group dedicated to Cooling Tower manufacturers. This group has members from around the EU and Turkey and is supported by Eurovent Member Associations on a national level. Its main tasks consist of advocating European and national legislation, developing EN, ISO and Eurovent standards, generally promoting the industry and export initiatives, and diminishing unfair trade barriers inside and outside Europe. The Group does not deal with certification.




Laurent Petiot  
Baltimore Aircoil Co.  
Chairman

# Agenda



# Building Bridges

1. Introduction, meeting rules
2. Attendances
3. Approval of the Draft Agenda
4. Approval of the Minutes of the last meeting
5. Chairman and Vice-Chairman Elections
6. Latest news about EMI
7. Brexit - Summary, Updates, and Next Steps
8. Revised Ecodesign Fans Regulation
9. Market Surveillance
10. Adiabatic/Hybrid units
11. Upcoming agenda items
12. Announcements, updates on Eurovent activities
13. Next meeting(s)

A green oval callout with a thin line pointing to item 8 of the agenda. It contains the text "Coffee break" in white, sans-serif font.

Coffee  
break

# 1.-4. Formalities



- Introduction
- Rules: Competition law, bribery, corruption and data protection
- Attendances
  - Introduction of participants
  - Remember to sign the attendance list
- Approval of the Draft Agenda
- Approval of the minutes of the last meeting
  - Brussels, 15 March 2022

## 4. Approval of the minutes of the last meeting



# Building Bridges

### Formalities (agenda items 1-4)

- Meeting called to order at 10:04h
- Meeting agenda unanimously approved
- Minutes of the last meeting unanimously approved

### Adiabatic/Hybrid units

- Meeting participants informed about reaction of ECC PC-HE
- Meeting participants informed about the development of the CTI acceptance test code on Adiabatic fluid coolers

### Ecodesign Fan Regulation: Update on the review

- Members informed on the status of the review and feedback provide ahead of the upcoming EC CF meetingd

### Next meetings

- Tuesday, 14 June 2022, or during Eurovent Summit 2022 in October in Antalya

# Agenda



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Coffee  
break



## 5. Chairman and Vice-Chairman elections

Mr. Laurent Petiot, General Manager Baltimore Aircoil France and Benelux and today's chairman of the group, applied for another mandate as chairman of the PG-CT

*Dear Colleagues,  
As you can see in my above experiences, I have been involved in heat transfer equipment since the very beginning of my career. I was born in the world of cooling towers in 1996, and I am active member in Eurovent since the last 26 years. As such, I faced with you, lots of fights to protect and promote the Evaporative cooling. I believe more than ever in the absolute must to be gathered and organized in a common powerful and professional organization. I have been serving that aim for years, and I am candidate to continue, as Chairman of our Cooling Tower Group. Thank you.*



Laurent Petiot  
Baltimore Aircoil Co.

No other candidatures and no applications for the vice-chairman position have been submitted so far

# Agenda



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Coffee  
break

## 6. Latest news about EMI



Speaker: Mr. Yannick Cotrelle - Market Intelligence Manager  
Eurovent Market Intelligence





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Coffee  
break

# 7. Brexit - Summary, Updates, and Next Steps

Guest presentation by UL Solutions

- Speaker: Ms. Gabriella Mazzola, Senior Global Market Access Manager



# Coffee break

Join us in the foyer

**See you again in 30 minutes!**

# Agenda



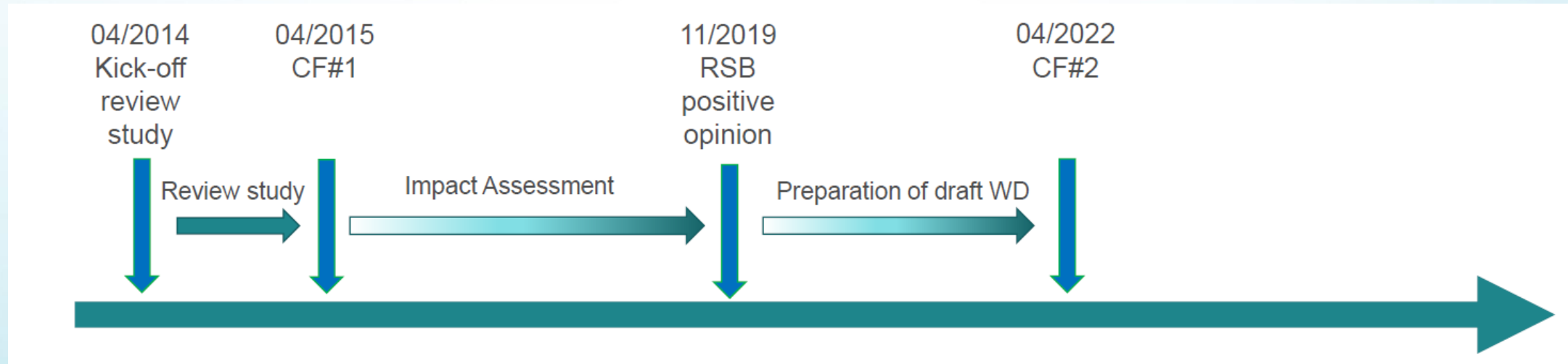
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Coffee  
break

## 8. Revised Ecodesign Fans Regulation

Discussion with Mr Uwe Sigloch - Vice- Chairman of PG-FANS

### Overview of work on the revision – a long story



## 8. Revised Ecodesign Fans Regulation

Discussion with Mr Uwe Sigloch - Vice- Chairman of PG-FANS

### Main new proposals in working draft compared to 2015

- **Exclusions**

- Spare part fans for 7 years

- **Definitions**

- Significant elements
- VSD definition
- Complete fan
- Incomplete fan
- Spare parts

## 8. Revised Ecodesign Fans Regulation

Discussion with Mr Uwe Sigloch - Vice- Chairman of PG-FANS

### Main new proposals in working draft compared to 2015 (cont.)

- **Conformity assessment**
  - Provisions for addressing incomplete fans
- **Minimum efficiency limits**
  - Tier 1: close to the current, but in some cases lower + new formulas
  - Tier 2: as proposed in 2015 (3 year after entry into force)
- **Information requirements on partial load or at specified duty**
- **Product Information requirements for incomplete fans**



## 8. Revised Ecodesign Fans Regulation

Discussion with Mr Uwe Sigloch - Vice- Chairman of PG-FANS

### Main new proposals in working draft compared to 2015 (cont.)

- **Material efficiency product information requirements**
  - Information to include in instruction manuals and free access websites
- **Resource efficiency requirements**
  - 7 years availability of spart parts, maximum delivery time, access to repair and maintenance information, dismantling for material recovery and recycling



# 8. Revised Ecodesign Fans Regulation

## Discussion with Mr Uwe Sigloch - Vice- Chairman of PG-FANS



# Building Bridges

### 1. Complete fans:

- in scope
- has all the significant elements needed for its operation
- has been subject to a conformity assessment
- complies with the ecodesign requirements



### 2. Incomplete fans:

- a subset of a one or more well identified complete fan(s)
- does not have all the significant elements needed for its operation, and/or that does not comply with the ecodesign requirements
- comprises at least an impeller, but
- without one or more of the significant elements of the complete fan(s)
- Accompanied with the required information



**Motorised  
impeller**



**Bare shaft  
fan**



**Impeller**

**=> To be tested in one or more configuration of a complete fan**



# 8. Revised Ecodesign Fans Regulation

## Discussion with Mr Uwe Sigloch - Vice- Chairman of PG-FANS

### Significant elements that may be a part of a fan

- Impeller
- Electric motor
- Housing (stationary part that interacts with the air stream and affecting the air power of the fan)
- stationary aerodynamic parts improving the performance of the fan:
  - inlet cone, inlet or outlet guide vanes, diffuser ...
- mechanical transmission: aerodynamic influence and influence on efficiency;
- electrical transmission: aerodynamic influence and influence on efficiency, e.g. cable conduits, VSD (in air stream or not), terminal box...
- structural components that hold the assembly in place and may interfere with the airflow (e.g. brackets supporting the motor or the bearings).

## 8. Revised Ecodesign Fans Regulation

### Discussion with Mr Uwe Sigloch - Vice- Chairman of PG-FANS

➤ Fans other than complete or incomplete fans shall not be placed on the EU market.

➤ Incomplete fans shall:

### Rules for incomplete fans

- ☐ not be put into service
- ☐ not bear the CE marking [for the purpose of this regulation](#)
- ☐ meet specific information requirements when placed on the EU market, including:
  - ☐ The technical data sheet of the corresponding complete fan(s)
  - ☐ Instructions to transform the incomplete fan into one or more complete fan(s) with detailed information on the essential elements needed and their relevant characteristics
  - ☐ Technical documentation and promotional material shall be accompanied by a **warning** of the need to add certain essential elements in order to meet the ecodesign requirements. It shall specify that meeting ecodesign requirements can be achieved in two ways: following the instructions of the supplier of the incomplete fan or through a complete conformity assessment under the full responsibility of the buyer of the incomplete fan. + **special warning** if a motor above the minimum IE class set under (EU) 2019/1781 is required.

## 8. Revised Ecodesign Fans Regulation

Discussion with Mr Uwe Sigloch - Vice- Chairman of PG-FANS

### Conformity assessment for incomplete fans

- Conformity assessment: when an incomplete fan is transformed into the corresponding complete fan, the technical documentation may contain, as alternative, the evidence showing that the manufacturer instructions have been followed.
- Verification: the performance of incomplete fans is tested in at least one configuration of the corresponding complete fan(s), using the manufacturer's instructions.
- A VSD can be added to a complete fan without transforming it into a new product



## 8. Revised Ecodesign Fans Regulation

Discussion with Mr Uwe Sigloch - Vice- Chairman of PG-FANS

### Comments at the 2nd Consultation Forum

- **No need for Tier 1 limits**
  - Position of the majority of stakeholders
- **Clear rules on liability between the supplier of an incomplete fan and the entity that assembles the incomplete fan**
  - Who is responsible for a non-compliance of an incomplete fan that has been transformed into a complete fan following the instructions?

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Coffee  
break

## 9. Market Surveillance

### Eurovent recommendation for fans used in cooling towers

#### Proposal to draft a CT guidance book for Market Surveillance

As laid down in Directive 2009/125/EC and Regulations (EU) 2011/327 for fans, and 2019/1781 for electric motors, the verification of compliance with the ecodesign requirements is the remit of Member State Market Surveillance Authorities (MSA).

The quality and effectiveness of the surveillance varies from country to country. In some Member States it is satisfactory but in others it hardly exists. In many cases verification procedures seem to be very simplified and frequently limited to checking documentation. Considering that this may be due to a lack of expertise, the PG-CT can discuss the need and reasonability to draft an industry guidance book for Market Surveillance.



## 9. Market Surveillance

### **Eurovent recommendation for fans used in cooling towers**

#### **Proposal to draft a CT guidance book for Market Surveillance**

The objective of this document would be to assist market surveillance authorities but also manufacturers, importers, customers or end-users in monitoring and enforcing of ecodesign requirements for the main components of an evaporative cooling equipment.

An example of a possible result of this work is the Recommendation for Market Surveillance Authorities that is currently under finalisation by the Product Group 'Residential Air Handling Units' (PG-CT – 2202.91).

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Coffee  
break

# Before the end of the meeting



#BuildingBridges

11. Upcoming agenda items

12. Announcements

**The Eurovent Commission  
on 2 September  
identified PEF/EPD as a  
priority for the near future  
And consequently, a  
dedicated Taskforce will be  
set up**

13. Next meeting

## 2023 CALENDAR

JANUARY						
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FEBRUARY						
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OCTOBER						
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NOVEMBER						
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DECEMBER						
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# End of meeting

See you soon and enjoy the rest of the **EUROVENTSUMMIT!**



# **EUROVENT SUMMIT ANTALYA**

**25-28 OCT 2022**

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**# B u i l d i n g B r i d g e s**