

# EU Brokerage Event

## on Industrial KET\* in Horizon Europe

\*Key Enabling Technologies

10th November 2022 • Strasbourg

Conference &  
Bilateral/B2B Meetings

Calls  
2023- 2024

### **Project idea/ Field of expertise:**

Haier Europe is a branch of Haier Smart Home Co., Ltd. and manufactures and sells a wide range of household appliances including refrigerators, freezers, washing machines, air-conditioners, water heaters, kitchen appliances and small household appliances, with a comprehensive offering of smart household appliances. CBI division is manufacturing built-in ovens and hobs.

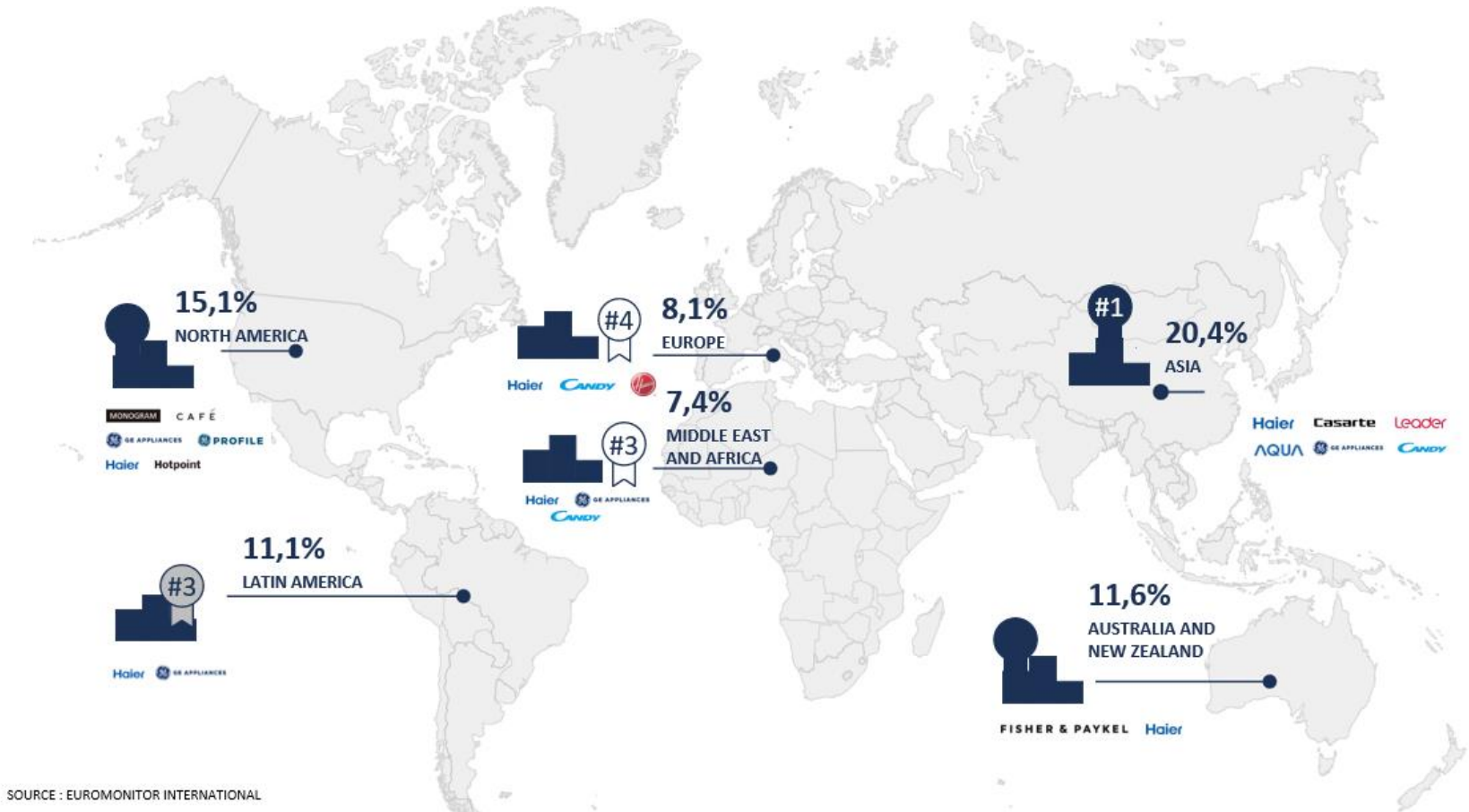
### **Organisation Name:**

Haier Europe

### **Addressed topic(s):**

No.; 8. Cd. No:3, 26110 Osb/Odunpazarı/Eskişehir, Türkiye

# We are HAIER



# Our project idea / expertise

| Project Name                | Project Goals  | Example                                     | GAIN               |
|-----------------------------|--|---|--------------------|
| New Insulation Material     | In the domestic ovens, mass is one the important parameter for the pre-heating cycle - heat loss. If lower mass insulations material could be used in ovens, total heat loss would be lower.<br>In addition, if this metarial has lower heat conduction coefficient than current materials (rockwool-glasswool), overall working efficient will be much higher than now. | Microtherm, aérojel                         | LOWER HEAT LOSS    |
| New Heating Method          | In the household ovens, electrical heaters are used for the heating. To increase the heating efficiency, heating method can be change like microvawe ovens. Microvawe and conventional ovens can be combined. PS: It does not mean, a product which can be used as a conventional oven and microvawe oven seperately.  | Magnetron Induction                         | HIGH EFFICIENCY    |
| New Oven Glass              | In the conventional ovens, oven glasses are low - emissivity and float. If thermochromic glass could be used, durign working cyle, hot surface area would be visible spontaneously. If electrochromic glass would be used, during working cycle, oven internal area would be visible, working cycle was off, oven internal area would be invisible.                      | Electrochromic glass<br>Thermochromic glass | SAFETY & ESTHETICS |
| New Enamel/Coating Material | In the ovens, radiation is important factor for using heater more efficient way. For now, there is a specific ratio to cover internal side of cavity with enamel. Aim is to check for if we can find different ratio or material which has lower emissivity.   | -   | HIGH EFFICIENCY    |
| Smell Filter                | During cooking process, it is useful to block heavy smells at home.  | -   | COMFORT            |
| Ceramic Oven                | In the ovens, overall efficiency is between %15 - %30. Because heat loss ratio is high during working cycle inside oven. To decrease that ratio, it has been thought thinner ceramic coating to keep heat inside cavity.   | -   | LOWER HEAT LOSS    |

# Contact details

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## Contact person

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| Organisation     | Ayberk Salim MAYIL  |
| Address          | No:, 8. Cd. No:3, 26110 Osb/Odunpazarı/Eskişehir, Türkiye |
| Phone            | +90 537 678 0352  |
| E-mail           | amayil@hoover.com.tr                                      |
| B2Match profile  |   |
| LinkedIn/Twitter |   |

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