EUROPE
ATMO sphere
Business Case for
Natural Refrigerants
19-21/11/2018 – Lago di Garda

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AVTIVITIES

- **Cooperation with MACS (USA) & VASA (Australia)**

Create bonds between the organizations in the world today and utilize the knowledge available

- **Create impact on EU with a training certification program in three levels**

Without a very strict control and outlining of the training classes it cannot be supported by the EU

- **Create a product certification with a worldwide standard**

This will ensure that the workshops/ technicians do not have to second guess the component they are about to purchase

- **Creating awareness through independent training classes across Europe**

MARKET OPPORTUNITIES

- **The market is evolving and new refrigerants are entering the market**

For Ex. R744, R152a & R1234yf

- **New components & Chemicals**

For Ex. Evaporators, Condensers, IHX, Oil, Refrigerant, Additives

- **New technicians with a broader mindset**

In depth knowledge of refrigerants, pressure/ temp. relationship

REGULATIONS & RULES

- **Stricter Laws & Regulations have to be applied**

Specific EU regulations in place for the Automotive industry with specific regulations on individual refrigerants

- **Laws & regulations have to be enforced**

EU body to uphold the regulations and a specific department locally to control and impose on violations on the regulations

- **Technicians mindset**

See the world as a multi-refrigerant environment and understand cause/ effect

- **Protective of technical knowledge/ knowledge sharing**

New technology information available to all. This ensures the technicians that the technicians can make a proper job.

TRAINING

- **We need a European certification other than the current**

The current regulations are to vague and does not reflect the world we live in today

- **Different levels and knowledge**

This will ensure the correct training for the right technician

- **United front from all training companies**

We have to work together to ensure the capacity of trainings across Europe with the same content

- **Manufacturers contribute with technical information and details (research)**

Without the key knowledge from the OE manufacturers there will be a lot of unfounded being spread across the industry

CONCLUSION

- **Without the organizations** pushing the EU to create specific regulations for new refrigerants we do not see the future of the Automotive AC repair service being very bright. Too many new refrigerants are seeing the light of day and all the chemical and component knowledge have to be update. If we are not careful it will be the wild wild west within the Automotive industry in the future.

- **The mindset of the Technician and the EU has to change** so that all is aware that the environmental changes that are being imposed also creates a need for new knowledge. Change is good and especially if it benefits the environment. But we have to put rules & regulations in place, the possibility to be certified to work with new refrigerants and a need to be able to impose these rules through local imposing bodies.

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