

# Rotor Technology for local application

Zygmunt Lada 14th IWMC Istanbul, Turkey, 22-23 Oct 2014







#### **Introducing Concept of Water Mist**

| Droplet<br>diameter<br>[m] | Droplet<br>diameter | No of droplets per<br>1 liter of water | Total cross-section<br>of droplets<br>in 1 cubic meter<br>[sqm] | Total surface area<br>of droplets<br>generated from<br>1 litre of water [sqm] |
|----------------------------|---------------------|--|---|---|
| 0,12                       | 12 cm               | 1                                      | 0,0125  | 0,05  |
| 0.0006                     | 600 microns         | 8 846 426                              | 2,5   | 10  |
| 0.0001                     | 100 microns         | 1 910 828 025                          | 15  | 60  |
| 0.00005                    | 50 microns          | 15 286 624 204                         | 30  | 120   |
| 0.000025                   | 25 microns          | 122 292 993 631                        | 60  | 240   |
| 0,000023                   |                     | 1 010 929 025 479                      | 150   | £40   |
| 0,00001                    | TO MICTORS          | 1 910 828 025 478                      | 150   | 600   |













Rotor Technology for water mist generation











## Rotor in the smallest application





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## Extinguishing edible oil - water-mist



















## Systems based on RotorMist technology

Stationary and mobile systems for local protection



























#### RotorMist - foamed polystyrene (EPS) block cutting protection - pentane fire













































