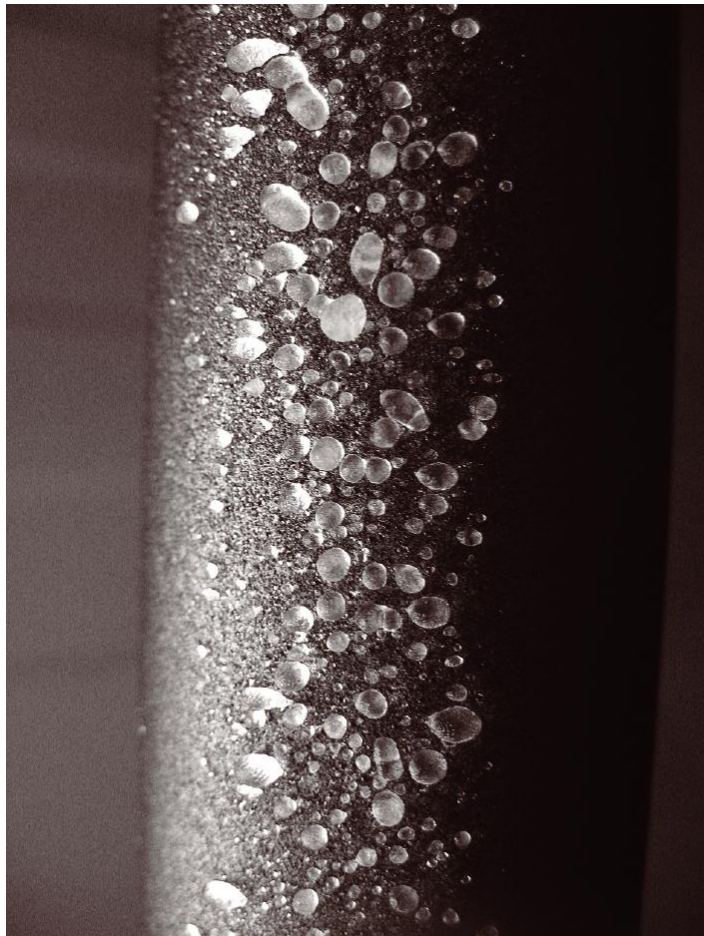


Business from technology

Performance indices for icephobic coatings

Open Innovation Contest

Raul.Prieto@vtt.fi



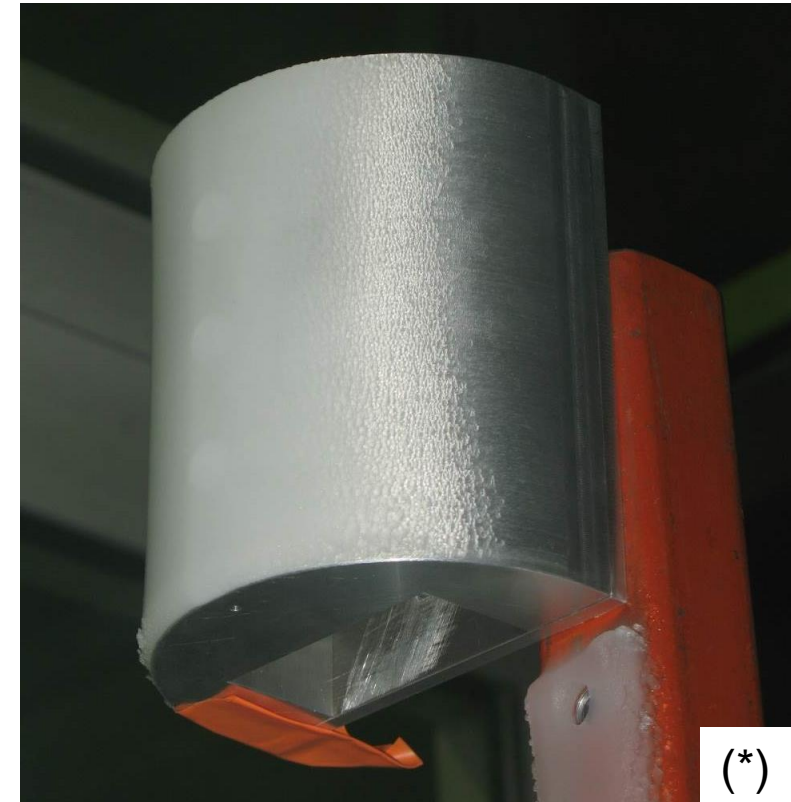
Need:

- Development of icephobic coatings require **robust performance metrics**
- The wind industry needs **high fidelity testing platforms** to reduce risks before engaging in full scale validation



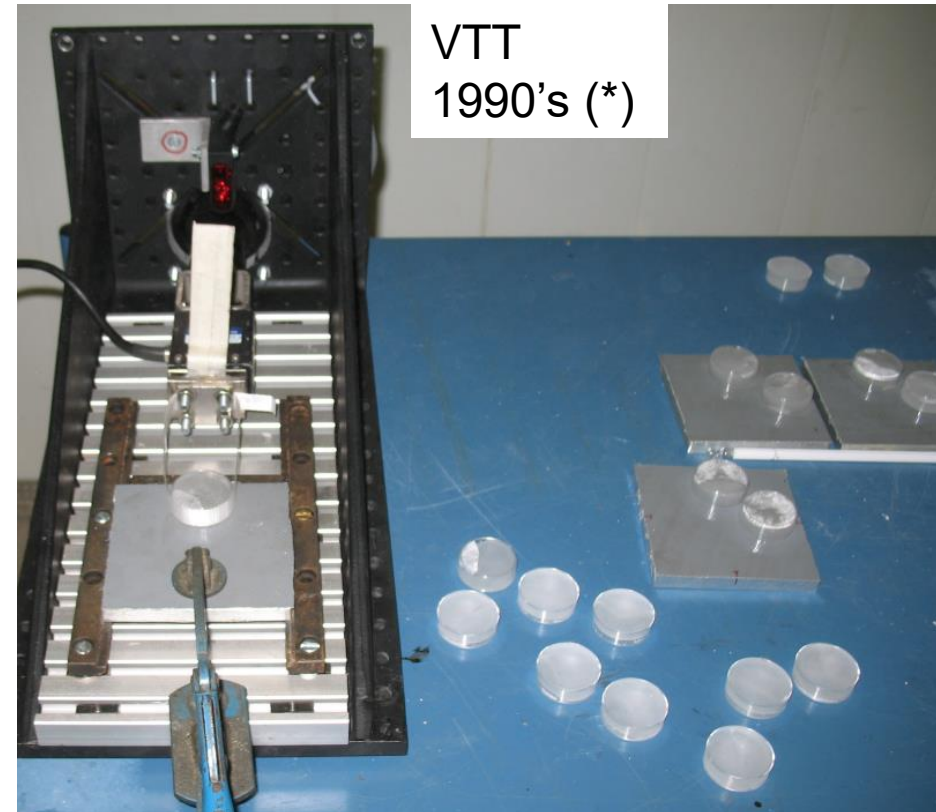
Approach:

- VTT seeks partners for a “**Shared Benefit Project**” / Joint Industry Project
- to establish **coating performance indices** for icephobic coatings in the icing wind tunnel
- Relevant test conditions (icing tunnel) and state of the art ice adhesion test apparatus
- A database of ~10 icephobic coatings to be mapped
- Target **2 year** project, budget ~**300k€**



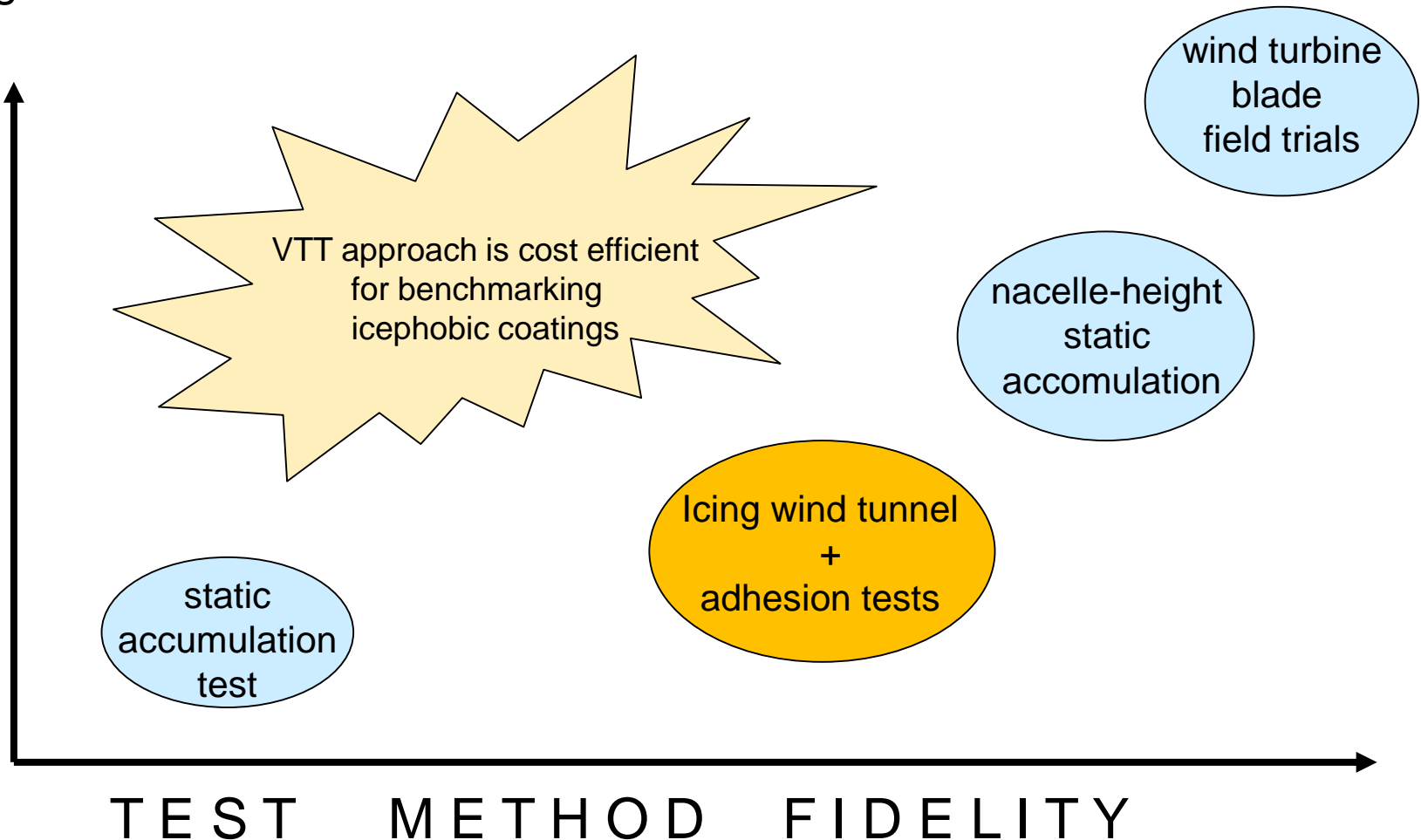
Benefit:

- VTT research on the characterization of ice adhesion since 1990's
- Coating suppliers get a **robust framework** to measure performance of coating formulations,
- OEMs and Owners/Operators get a **performance database** to track coating performance, and enable potential read-across to field trials



Competition:

- VTT approach tests adhesion using realistic ice samples, generated in the icing wind tunnel

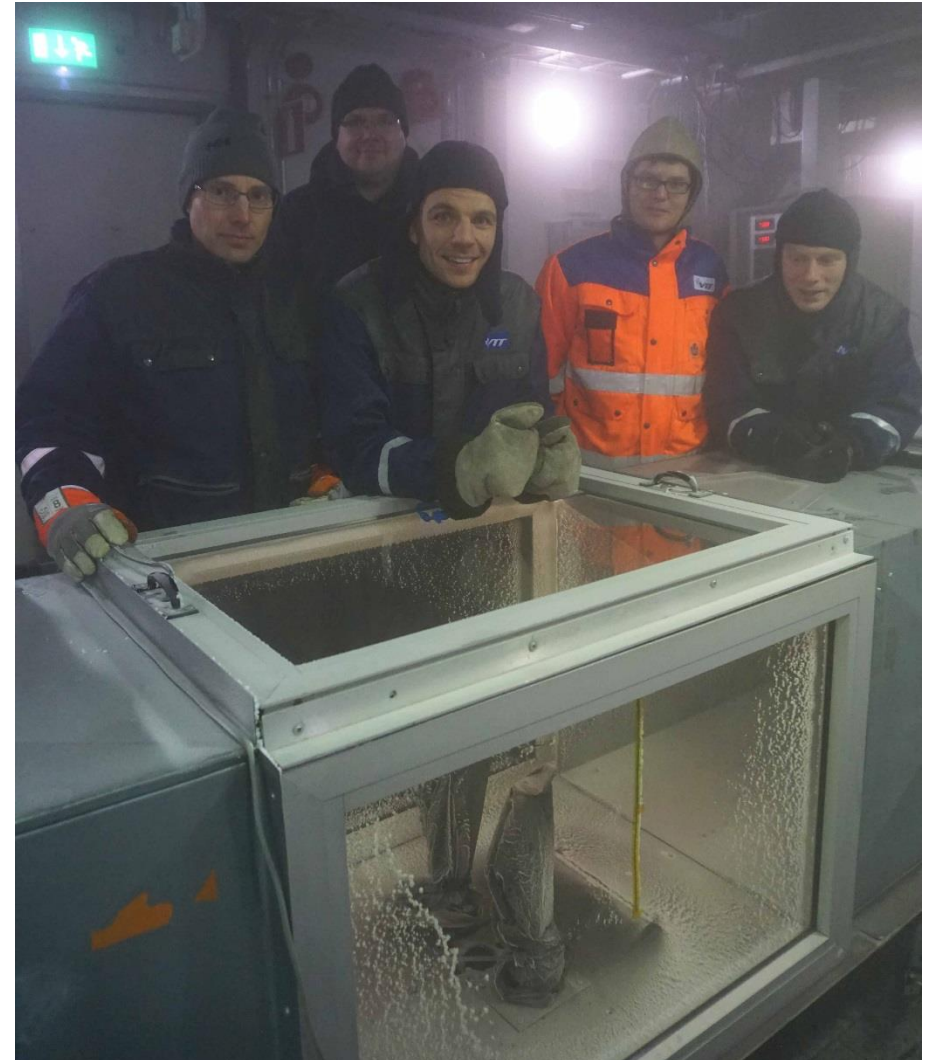


Contact us!

- If you are a **coatings supplier** seeking a robust characterization of the icephobic properties of your product
- If you are a wind **OEM** or **Owner/Operator** willing to map icephobic performance of candidate coatings

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Thank you!

Questions?



TECHNOLOGY FOR BUSINESS

