

Sustainable solution for aircraft de-icing, or recycling the used liquid (business innovation)

Name of eco-innovation demand	Sustainable solution for aircraft de-icing, or recycling the used liquid (business innovation)
Company / organisation	Budapest Airport Zrt.
Country	Hungary
Website	www.bud.hu
Description of required eco-innovation / solution / technology / resource / knowledge / product / service	Budapest Airport Zrt is looking for an environmentally friendly solution regarding airplane de-icing.
Background	Budapest Airport Zrt has been developing its environmental performance for years. <i>Search online for more details.</i>

<p>Description of challenge to be solved</p>	<p>De-icing is operated by ground handler companies, however cleaning machines are operated by the airport operator, therefore a possible cooperation would be necessary in this case. Negotiations have already started as all ground handler companies present are members of the Greenairport program, the sustainable initiative of the airport.</p> <p>De-icing agents are compounds made up of chemical glycol and hot water, which we aim to switch to a more environmentally friendly material.</p> <p>The technology already exists, however the challenge in this project is to transform it into a sustainable business solution.</p> <p>Alternative solution would be to ‘swipe up’ the de-icing liquids from the apron area and recycle it to win back the glycol that could be used again.</p>
<p>Preferred stage of development of solution</p>	<p>Preferred stage of development of the solution / technology:</p> <p>Technology readiness level (TRL): TRL 6 or above.</p> <p><i>TRL 6. technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies);</i></p> <p><i>TRL 7. System prototype demonstration in operational environment;</i></p> <p><i>TRL 8. System complete and qualified;</i></p> <p><i>TRL 9. Actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies)</i></p>
<p>Preferred form(s) of cooperation, collaboration</p>	<p>Open to negotiation</p>
<p>Language(s) of communication</p>	<p>English, Hungarian</p>

<p>Contact at the company / organisation</p>	<p>For more information, technical requests please contact the organisation: Budapest Airport Zrt. BUD International Airport 1185 Budapest HUNGARY <i>Email:</i> kornyezetvedelem <at> bud.hu</p>
<p>Keywords</p>	<p>#eco #demand #innovation #technology #solution #airport #aviation #aerodynamics #aircraft #airplane #aviation #hungary #greenairport #deicing #deicingagents #antiicing #chemicalcompound #frost #ice #partnership #safety #snow #pollutant</p>