



MicroDry

Microwave drying for the rapid remediation of flooded buildings

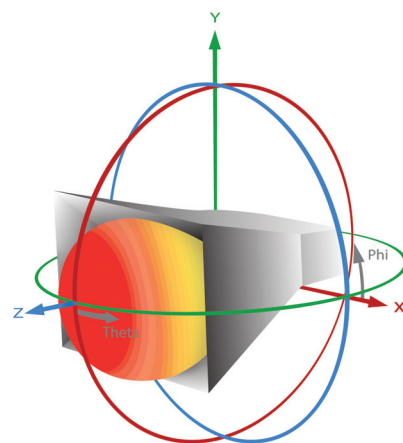
An intelligently controlled automated microwave drying unit capable of raising the moisture temperature within walls, floors and ceilings of a room or structure. The MicroDry unit is capable of drying a room in a fraction of the time taken by conventional means.

Now that in excess of 50 million European citizens are living in areas at risk of flooding a rapid drying solution is required to extract the moisture from walls and floors.

Current drying operations require up to eight weeks before remedial work can be undertaken on the building.

Our concept is to develop microwave technology which will reduce drying times in buildings after flooding events. The Microdry unit operate from a mains electricity supply and be capable of drying a room in a fraction of the time taken by conventional means.

The Microdry project will develop an intelligent control system that will utilise microwave moisture detectors and remote temperature sensors to adjust the output power accordingly to maximise efficiency. The increased temperature of the moisture within the structure significantly increases diffusion rates decreasing the drying times of flooded buildings and returning people to their business and homes more quickly.



For more information, please visit

<http://microdry.pera.com>

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SEVENTH FRAMEWORK
PROGRAMME

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