

R&D Outsourcing

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A new way to deal with snow is proposed - electrically conductive concrete

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Technology will be expensive.

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Snowfalls in Russia often slow down traffic: snow is not transported quickly enough from the roadway and narrows the road. Therefore, experts from RosdorNII suggested using conductive concrete to combat icing of the road and snowdrifts, reports RT.

Electrically conductive cement concrete (EPB) is laid on the road, and then ice and snow will melt faster, respectively, huge snowdrifts will not form. It is enough to lay down the water heater along the edges of the carriageway, where it will provide snow melting, and the water, in turn, will drain into the storm sewer. On bridges, ramps or overpasses (difficult road sections), such concrete can be placed over the entire width of the roadway.

Electrically conductive concrete is proposed to be covered with a protective layer from above, and the lower layers of the road will provide grounding. Such a coating will be expensive, especially if you use ordinary electricity. But in this case, you can use the "warm-up" function only occasionally, in critical situations. But if alternative energy sources are used, then the implementation of such a project may become successful, engineers say.

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