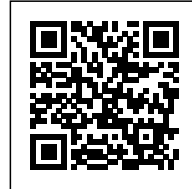




## SMOG FREE TOWER

Posted on October 6, 2016 by Urban UrbanNext



**Categories:** [Daan Roosegaarde](#), [Energy and sustainability](#), [High Density](#), [Middle Density](#), [Project](#), [Senseable Technologies](#), [Technology and fabrication](#)

**Tags:** [Active Public Spaces](#), [Agency of Urban Organization](#), [Dust](#), [Ecological agencies](#), [Ecological researches](#), [Emergency Cleanup Initiative](#), [Energetic Approach](#), [Ion technology](#), [Jewelry](#), [New techniques](#), [Pollution](#), [Project](#), [Prototype](#), [Public Space](#), [Smart device](#), [Smog-free](#), [Technical systems](#), [Technopoetry](#), [Urban environment](#), [Urban Paradigms](#)

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Smog Free Tower

<https://urbannext.net/smog-free-tower/>

We humans have created machines to enhance ourselves, we invented the wheel and cars to liberate ourselves and travel. But now these machines are striking back, making air extremely polluted in high-density cities. In some cities, this pollution is visible. In others, air pollutants and smog may be invisible, but the impact on our daily lives and health is very real. In the Netherlands we live 9 months shorter because of smog. Dutch designer Daan Roosegaarde believes we should do more, not less, and make modern cities livable again.

<https://vimeo.com/studioroosegaarde/smogfreeproject>



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Roosegaarde and his team of experts have used patented ion technology to build the world's largest smog vacuum cleaner. The Smog Free Tower produces smog-free bubbles of public space, allowing people to breathe and experience clean air for free. The first 7-meter high Smog Free Tower cleans 30.000m<sup>3</sup> of air per hour of ultra-fine smog, uses no more electricity than a water boiler, and runs on green energy.

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As a tangible souvenir, Roosegaarde also creates jewellery of the collected smog particles. The smog dust filled with carbon is compressed into high-end jewellery like the Smog Free Ring and Smog Free Cufflinks. By sharing Smog Free Jewellery, you donate 1000m<sup>3</sup> of clean air to the city. Join the Smog Free Movement now and support our Kickstarter campaign.

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The Smog Free Project is not only intended to be a final local solution for clean parks, but also a sensory experience of a clean future. Along with governments, NGOs and the cleantech industry, people can become part of the solution instead of the problem. The first pilot has been launched in Rotterdam, The Netherlands on September 4th 2015. Possible future locations include Beijing, Mexico City, Paris and Los Angeles.



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