



Chemists Without Borders
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Chemists Without Borders partners with IdeaConnection to Solve Five Humanitarian Challenges

The search is on to find solutions to arsenic poisoning, contaminated water and electronic waste hazards.

IdeaConnection, an industry leader in open innovation and solving R&D challenges, has partnered with Chemists Without Borders, an organization focusing on solving humanitarian problems, to challenge the solver community to come up with solutions to five urgent challenges affecting the health of millions.

The Arsenic Penny-per-Test Challenge is asking for a simple test to be designed that would detect arsenic levels in groundwater. More than 75 million people in Bangladesh are at risk for arsenic poisoning, and current tests are too expensive to be practical. The test should be able to be manufactured and distributed locally, and must be accurate and reliable.

The Arsenic Removal Water Filter Challenge is looking for a water filter design that would remove arsenic from water to less than 50 ppb (Bangladesh standard) and, ideally, to less than 10 ppb (WHO standard), and must be able to be manufactured as a cottage industry in developing countries like Bangladesh.

The Contaminated Water Testing "Tool Kit" Challenge is seeking an analytical tool kit that would identify major impurities in water. Impure drinking water is a major source of illness throughout the world, and a cost effective, portable and straightforward testing kit could protect millions of people from succumbing to debilitating diseases.

The Contaminated Water Treatment "Tool Kit" Challenge is to design a portable, easy-to-use tool kit for treating contaminated water for some of the major impurities that affect human and environmental health globally.

The Electronic Waste Challenge is reaching out to the global community to design an action plan to alleviate the health and safety risks to uneducated and underprivileged workers in India, China and Africa who extract metals from e-waste. Workers are exposed to dangerous levels of toxins such as lead, cadmium, mercury, chromium and polyvinyl chlorides.

We are appealing to solvers worldwide who wish to contribute their expertise and skills to help solve these critical issues affecting the lives of millions of people. To learn more, please visit IdeaConnection's "Innovation Challenges" webpage here: <http://www.ideaconnection.com/open-innovation-challenges/>

About IdeaConnection



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IdeaConnection offers clients confidential access to a vast global marketplace of high-level technical expertise. As a leading provider of prize-based open innovation services, IdeaConnection performs Technology Scouting, R&D Problem Solving and Prior Art Citation Searches on a pay-for-success basis. IdeaConnection is donating its service *pro bono* to help solve these problems.

About Chemists Without Borders

Chemists Without Borders solves humanitarian problems by mobilizing the resources and expertise of the global chemistry community and its networks. Chemists Without Borders is a global support network of volunteers providing mentoring, information and advice to ensure every person, everywhere, has affordable, consistent and persistent access to essential medicines and vaccines, safe water, sustainable energy and emergency support.

Links:

<http://www.ideaconnection.com>

<http://www.ideaconnection.com/open-innovation-challenges/>

<http://www.chemistswithoutborders.org>

www.freePRnow.com/pr/chemists-without-borders-partners-with-ideaconnection-to-solve-five-humanitarian-challenges