

INVELOX – Making Wind a Reliable Source of Electrical Energy in New Zealand



Dr. Daryoush Allaei, P.E.

Chief Technical Officer
SheerWind, Inc.
Chaska, Minnesota, USA

Email: dallaei@sheerwind.com
Web: www.sheerwind.com



In this two-hour technical presentation, Dr Allaei will provide an overview of the INVELOX technology and examples from recent field data.

To address a projected increase in energy needs, New Zealand must continue to build out its renewable energy infrastructure – including adopting new clean energy technologies. One such promising energy technology is INVELOX; an innovative wind power technology that is poised to play a significant role in shifting smaller economic forces onto a more environmentally, ecologically and economically sustainable path.

While conventional wind turbines use massive turbine-generator systems mounted on top of a tower, INVELOX, by contrast, funnels wind energy to ground-based generators. INVELOX captures wind with an omnidirectional intake and directs it through a tapering passageway that passively and naturally concentrates and accelerates wind. Because it has no rotating turbine or moving component at the intake, this revolutionary technology can be deployed much closer to where power demand is greatest: cities.

- What:** Urban Transformations Seminar Series
When: Tuesday 13 May 2014, 6-8pm
Where: Engineering 3-401, 20 Symonds Street, Auckland
RSVP: transformingcities@auckland.ac.nz
Who: Free public seminar

For information about the *Transforming Cities: Innovations for Sustainable Futures* thematic research initiative of the University of Auckland, see: www.transformingcities.auckland.ac.nz

To join our mailing list for notification of upcoming Urban Transformations seminars, email: transformingcities@auckland.ac.nz