ENGINEERING BUILDING WIND TUNNEL PROJECT

The Mechanical Engineering Department conceived the idea of building a wind tunnel in a room on the first floor of the Engineering Building! And under the guidance of Professor Gerald Recktenwald, Associate Professor, MME Chair, Mechanical & Materials Engineering Dept., the project took shape, and was completed in April 2011.

A wind tunnel on a university campus is a very unique commodity. PSU may be the only campus in Oregon to be able to offer the use of a wind tunnel to private and public entities, as well as serve PSU’s teaching and research needs.

A wind tunnel essentially replicates the air flow around solid objects. The tunnel’s control system allows users to set wind direction, intensity, air temperature and climate. The tunnel can be used in a variety of ways, for example, a scientist using a scale model could test how pollution moves through an urban area under differing conditions.

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PSU Project Support:
   Facilities Operations, Systems Crew
   Facilities Operations, Electrical Crew
   Facilities Carpentry Staff
Construction Company: Alliant Mechanical

Please send any feedback on this project to kvance@pdx.psu

Thank You!