FACTSHEET

NEDLAW LIVING WALLS – HOW THEY WORK

- A diverse group of ferns, foliage and flowering plants are planted into synthetic media on a vertical wall.

- The patented NEDLAW Living Walls system connects to an air-handling system or uses on board fans that draws 'dirty' air through the root zone of the plants.

- Beneficial micro-organisms growing in the root zone utilize airborne pollutants as food and break them down into water and carbon dioxide.

- NEDLAW Living Walls remove volatile organic compounds (VOCs) by combining the processes of biofiltration and phytoremediation.

- Biofiltration is the passing of a waste air stream through a biologically active substrate, where the contaminant is broken down into its benign components (i.e. carbon dioxide, water).

- Phytoremediation describes the treatment of environmental problems through the use of plants that mitigate the environmental problem without the need to excavate the contaminant material and dispose of it elsewhere.

- The pollutants are degraded and broken down by beneficial microbes that are present on the plant root structure.