

InFocus

WILSONVILLE, OREGON

Services

MEP Engineering
Energy Services
Commissioning
Lighting

FAST FACTS

Architect

Group Mackenzie

General Contractor

Baugh Construction Co.

Completed

October 2001

Construction Cost

\$10.2 million

Size

140,000 SF

Awards

BEST Award for Energy Efficiency: Portland Office of Sustainable Development, 2002

Contact

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Optimal energy savings and employee comfort were paramount when InFocus set about building its new global headquarters. Working with an architectural design team led by Group Mackenzie and Interface, InFocus was looking for energy-efficient design options that created an ideal working environment for employees in its new four-story brick facade headquarters.

To that end, Interface designed and commissioned mechanical and electrical systems in the Class A building that met Portland General Electric's standards for **Earth Advantage Green Certification**. A building is considered **Earth Advantage** if it uses 20 percent less energy annually than the minimum requirements of the Oregon Energy Code and meets a number of other environmental design standards.

Lighting design was also efficient from an economical standpoint. Lower mandated lighting levels and T5 lamp-based indirect lighting allowed the team to space luminaires up to 16 feet on center in some cases and still satisfy Illuminating Engineering Society recommended criteria for ceiling uniformity. Floor-to-ceiling windows in open office spaces provided enough visual appeal to make accent lighting unnecessary, while allowing extra in the budget to add accents in areas most often used, such as the lobby and employee breakroom areas.

On the mechanical side, Interface designed an energy-efficient variable air volume heating, ventilating and air conditioning (HVAC) system that recovers plenum heat for space heating needs. The outside air ventilation system is monitored and controlled with airflow stations placed away from pollutant sources, ensuring that indoor air quality standards are consistently maintained. Carbon dioxide sensors control over-ventilation, which wastes energy. Other energy-saving mechanical features include high-efficiency air filters and low-flow plumbing fixtures that reduce water consumption by 15 percent.

The project also involved a 2,000 SF data center, which included redundant Uninterruptible Power Supplies, diesel generator backup and redundant cooling equipment to insure 24/7 operation.

To ensure its systems were installed correctly and would function as designed, Interface also commissioned the building before and after occupancy.



Occupied since December 2001, the InFocus building met management expectations and will accommodate future needs for years to come. It also stands as a prime example of a large-scale office building that adopted green measures in a cost-effective manner.

