



LEED AND HUMAN HEALTH

The built environment has profound effects on human health and the world around us. At their best, our buildings and communities are powerful promoters of health and well-being. At their worst, they contribute to some of the key public health concerns of modern society.

China and the built environment:

- ▶ In China, a recent study in 2013 found that the air in Beijing hit a level of toxicity 40 times above what the World Health Organization deems safe.
- ▶ China is pushing to move an additional 250 million people into new cities and towns over the next 12 years. This population shift is creating an enormous need for quality building and healthy infrastructure.
- ▶ 50% of all new global construction is set to occur in China. The Chinese market is ripe for green building expansion – green building is in line with China’s long-term economic goals.
- ▶ China experienced a 25% growth in green building certifications during the first quarter of 2011, and by 2020 China aims to certify 30% of all new construction projects as green.

Used in more than 160 countries and territories, the LEED green building rating system has a proven, nearly twenty year track record serving as the foundation for the world’s healthiest and most high-performing buildings. LEED addresses all aspects of indoor environmental quality, rewarding projects for applying strategies that prioritize human health & wellness:



Environmental Quality

- ▶ Minimum level of indoor air quality performance requirements
- ▶ Pollution from smoking and tobacco smoke elimination
- ▶ Enhancing options for higher indoor environmental quality
- ▶ Providing occupants with access to natural light and view to the outdoors
- ▶ Encouraging the use of low emitting materials such as low VOC paints
- ▶ Regulating thermal comfort of occupants
- ▶ Better acoustics within the building
- ▶ Enhanced interior lighting
- ▶ Promoting green cleaning, using natural cleaning products and cleaning strategies



Energy & Atmosphere:

- ▶ Enhanced commissioning to verify air filtration and indoor air quality
- ▶ Ensuring acoustic performance and noise regulation



Materials & Resources:

- ▶ Reducing the presence of mercury
- ▶ Encouraging the disclosure of material ingredients within building products
- ▶ Encouraging the use of healthy products and materials



Location & Transportation:

- ▶ Offering bicycle facilities to encourage biking
- ▶ Promoting development in denser areas



Sustainable Sites:

- ▶ Promoting walking and providing pedestrian amenities on site