









AIR QUALITY

IN THE BUILT ENVIRONMENT

Sources and solutions:

	Sources and solutions:					
Sources	Ambient	 <p>Energy 39% of global energy-related carbon emissions are attributed to buildings</p>	 <p>Materials Most of the 1,500 billion bricks produced annually are using polluting kilns</p>	 <p>Construction Concrete production can release silica dust, a known carcinogen</p>	 <p>Cooking Traditional cookstoves cause 58% global black carbon emissions</p>	 <p>Cooling HFCs, potent climate forcers, are often found in AC systems</p>
	Indoor	 <p>Heating Combustion of solid fuels causes indoor as well as outdoor pollution</p>	 <p>Damp and mould Caused by air infiltration through cracks in building fabric</p>	 <p>Chemicals VOCs, emitted from certain materials, have adverse health effects</p>	 <p>Toxic materials Construction materials, e.g. asbestos, can cause harmful airborne pollution</p>	 <p>Outdoor infiltration Most exposure to outdoor air pollution occurs inside buildings</p>

Did you know? 91% of world's population, urban and rural, live in places with air that exceeds WHO guidelines for key pollutants¹.

Solutions	Solutions						
	 <p>Plant a Sensor with WorldGBC</p>	 <p>Clean cooling and heating</p>	 <p>Clean construction</p>	 <p>Healthy materials</p>	 <p>Clean and efficient energy use</p>	 <p>Building retrofit</p>	 <p>Building management and ventilation</p>

¹World Health Organisation. 2018. Ambient (outdoor) air quality and health. [https://www.who.int/news-room/fact-sheets/detail/ambient-\(outdoor\)-air-quality-and-health](https://www.who.int/news-room/fact-sheets/detail/ambient-(outdoor)-air-quality-and-health).

Find out more at: worldgbc.org/clean-air-buildings