

3.3.2.2 Heathrow Airport, London

Completed in 2016, The Garden Gate (Gate 25, Terminal 3) living wall covers an area of 35m² [6]. It is a Biotope hydroponic system. The design is an organic, curvilinear pattern to create the effect of enlarging the space. Plants were chosen to suit interior conditions of lower, filtered light levels (supplemented with horticultural lighting), with good air circulation and temperatures of 17°C and above. Consideration was also taken to ensure there are no berries, prickles or sap which may cause irritation, as well as low levels of pollen (of types not generally associated with hay fever). Several plants were selected particularly for their known properties for purifying air pollutants, such as benzene, formaldehyde, trichloroethylene, xylene and toluene ammonia. The plants are all evergreen and were also selected for their colour, form and textures. The colour palette is of lush greens, with red, white and silver accents.

Plant list:

	Plant removes:				
Latin Name	benzene	formaldehyde	trichloroethylene	xylene & toluene	ammonia
Aglaonema 'Maria' *	y	y			
Anthurium 'Red' *		y		y	y
Asplenium nidus					
Begonia rex 'Escargot'					
Begonia rex 'Red Robin'					
Chamaedorea elegans *		y	y		
Epipremnum aureum*	y	y		y	
Ficus pumila *		y			
Hedera helix *	y	y	y	y	
Nephrolepis 'Green Fantasy' *		y		y	
Peperomia rotundifolia					
Soleirolia soleirolia					
Spathiphyllum wallisii *	y	y	y	y	y
Syngonium podophyllum 'Pixie'					

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