

Best Practice Summary Sheet

Photos/Sketches	Title:	Air Flush Waterless Urinals	2. Benefits to the project	
 	CSJV	Simon Taylor	<ul style="list-style-type: none"> • Decreased water usage and bills 4no of waterless urinals installed (90no of staff) at Mile End offices equals: <ul style="list-style-type: none"> - Saving of £416 per year (Thames water bill of £1.59m3) - Saving of 65.52m3 water usage per year (compared with worst case of 7.5lt per hour) • Less maintenance - only require occasional cartridge changes and simple cleanings. No limestone deposits, no leaks as no flush. • CEEQUAL – Water resources and the water environment • Crossrail EPI - reduce construction related water usage • No Odour – System has a 10w fan drawing air and odour through the outflow pipe 	
	Contact:	(Simon.Taylor@skanska.co.uk)		
	Customer:	Crossrail		
	Project:	C360 Shafts & Headhouses		
	Supplier (if applicable):	Actacomm Limited		
	1. Description and Overview			
	<p>As part of the Crossrail Sustainability Vision - Seeking to minimise the impact on the environment and the community throughout construction – CSJV have been looking to ensure resources are used sustainably throughout the C360 project.</p> <p>One of the ways we have achieved this is by installing waterless urinals in our main project offices at Mile End. WCs and urinals are the most water-greedy devices in the office. Urinals can account for 20% of office water use. The law requires urinals to use no more than 7.5lt a bowl an hour.</p> <p>The Environment Agency claims that in an office with a 40-hour working week, 76% of flushing occurs when the building is unoccupied. Installing passive infrared sensors (PIR) can save up to 75% in water use and costs, although installing waterless urinals can save around 90%.</p>		3. Recommendations for improvement <ul style="list-style-type: none"> ➤ Adopting the use of waterless urinals in the other C360 site offices ➤ Sharing results with other Costain and Skanska projects 	