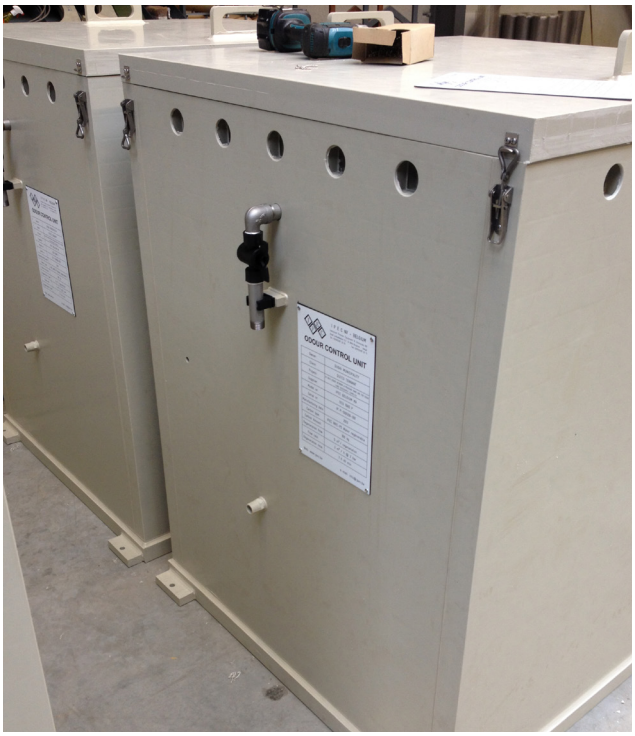
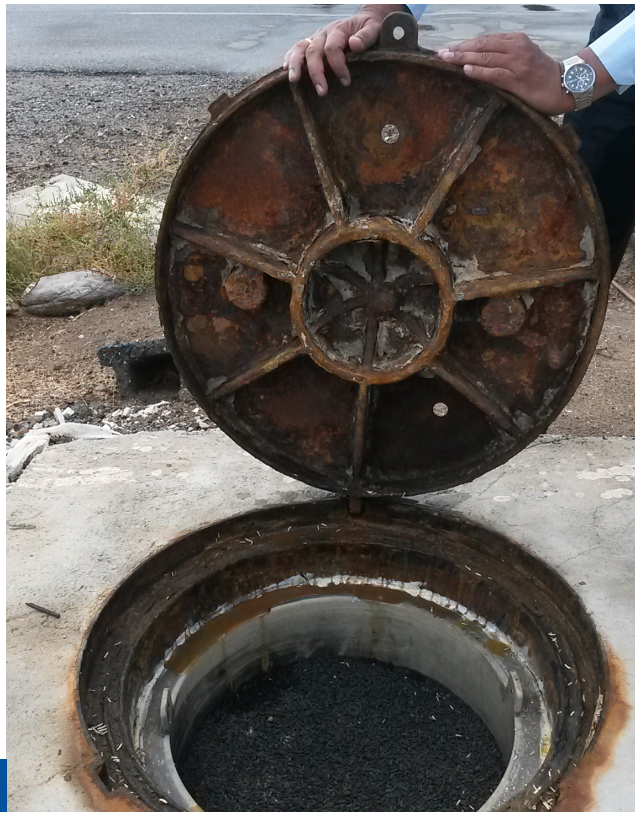
Passive Odour Control



Above ground passive unit for air breathing valve made in UV resistant PP-material.

To avoid visual impact in the street, Ipec designed for a project in Doha an underground passive unit which is constructed into a concrete basement with retractable carbon cage. This system is suitable for manholes in normal streets with traffic.

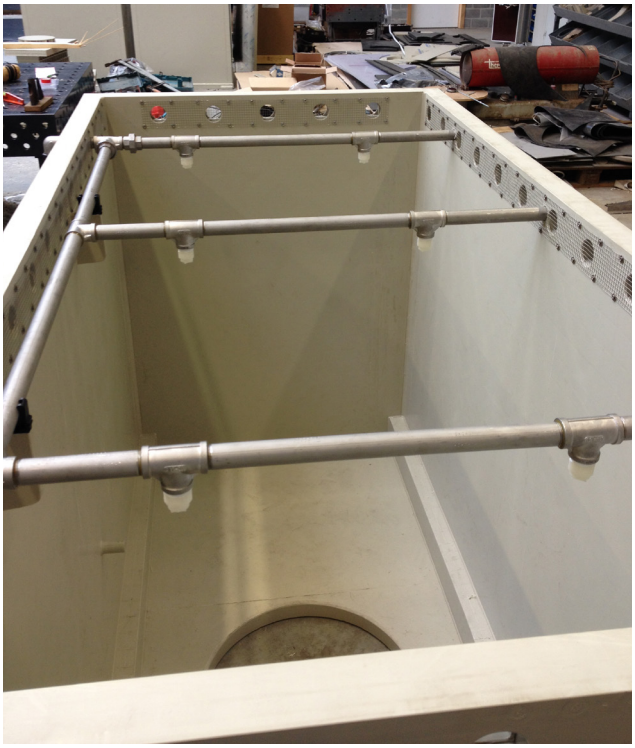
In Muscat Oman, It was noticed that the fully sealed manhole access didn't allow sufficient air breathing in the network, resulting in foul air escaping through the facilities in the houses (sinks, bathtubs and other in-house drain connections). This undesired in-house breathing created odour nuisance and many complaints within the residential area. To allow the breathing through the manholes in the street instead of through the siphons inside the houses, IPEC replaced the fully sealed cover with a carbon bucket to allow venting through the manhole without any odour nuisance in the street. In a well-organized pilot test in cooperation with the operator of the network, the passive units proofed their efficiency and the capability of regeneration. For this project, Ipec used an activated carbon with a higher adsorption capacity for even better performance.



Replacement of damaged seal plate by manhole bucket >

Passive Odour Control

Above ground passive unit for air breathing valve made in UV resistant PP-material.



IPEC nv
Dulle-Grietlaan 17/1
9050 Gentbrugge
Belgium

T +32 9 225 70 12
F +32 9 222 88 89
E info@ipec.be
S www.ipec.be

ISO 14001
ISO 9001
VCA
BE 0464.566.355

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