

CREATING VALUE FROM LIQUID WASTE IN THE DENSE STREETS OF MUMBAI



Challenge

With India Facing Growing Resource Deficiencies In Regard To Water, Solutions Are Needed For Each Part Of The Water Value Chain. This Means, That Specific Solutions For The Individual Links, From Wastewater To Clean Water, Need To Be Addressed As Soon As Possible.

In Addition, When Operating In Major Indian Cities, Water Treatment Solutions Alone Are Not The Answer, As Further Complications Are To Be Expected, This Being Heavy Traffic, Difficult Transport Conditions, Areas With Restricted Access, Hazardous Working Conditions And So On.

Solution

The Requirement Was To Supply Dewatering Vehicles Capable Of Reaching The Tanks To Be Emptied Without Having To Enter The Small And Narrow Streets. It Was Also Necessary To Keep The Units As Small As Possible And Mount Them On Short Wheelbase Vehicles. This Was Because The Traffic Situation In Mumbai Means That Even The Main Roads Are Full Of Vehicles All Day Long And Driving A Large Vehicle In This Traffic Would Almost Be Impossible.

Enter Our Business Partner HEC Enviro (India) Pvt. Ltd.

With A Unique Knowledge Of The Difficulties Facing The City Of Mumbai, HEC Enviro Has Been Essential As A Strategic Partner For The Entire Process Of Bringing Our Solutions To Market. From The Tendering Process To The Practical Operation Of The Units.

The Effect, Efficiency And Success Of The Solution Speak For Itself.

With Multiple Units Already Delivered And In Use, And More As Work In Progress On The Factory Floor, The Success Story Of Indian Entrepreneurship Combined With Danish Know-How And Innovation Has Just Started.

Result

The Results, As Experienced From Decades Of Know-How From The European Markets, Are Immediate, Reliable, And Cost-Efficient.

On The Practical Level For The Operator Of The Unit Itself, A Safer Work Environment Has Been Created, Meaning No Heavy Lifting, Less Exposure To Hazardous Materials And, By The Build In Automation, A More Efficient Work Day.

For The Contractor, The Reality Of Having Less Transport Time In Heavy Traffic Is An Immediate Economic Success. By Separating The Solids From The Liquids In The Unit Itself, A Lot Less Time Is Required For Transport Of The Contents Of The Unit, Meaning More Time On The Respective Work Sites, Thereby Increasing The Efficiency Of The Workforce And At The Same Time Saving Fuel.

Furthermore, The Amount Of Material Transported And In Need Of Treatment At Local Wastewater Treatment Plants Is Greatly Reduced, Meaning Lower Costs As The Volume Discharged At The Treatment Plants Is Significantly Lower.

For The Environment, The Reduction In Transport And The Amount Of Material For Waste Treatment Means A Much Smaller Ecological Footprint As Opposed To Any Existing Solutions On The Market.