



Bharatiya Vidya Bhavan's
SARDAR PATEL COLLEGE OF ENGINEERING

Andheri (W) Mumbai-400058
(Government Aided Autonomous Institute)
Affiliated To University of Mumbai



REPORT ON VISIT TO IFAT INDIA 2024

Date : 18 October 2024

Venue : Hall 1, 2 & 3, Bombay Exhibition Centre NESCO, Goregaon (East)
Mumbai, INDIA

About the Event

The students of SPCE went to the IFAT exhibition on the 18 th October 2024.The IFAT India 2024 exhibition had a lots of industry professionals exhibiting various technologies on solid waste management,waste water management,organic waste disposal ,municipal waste decomposition .

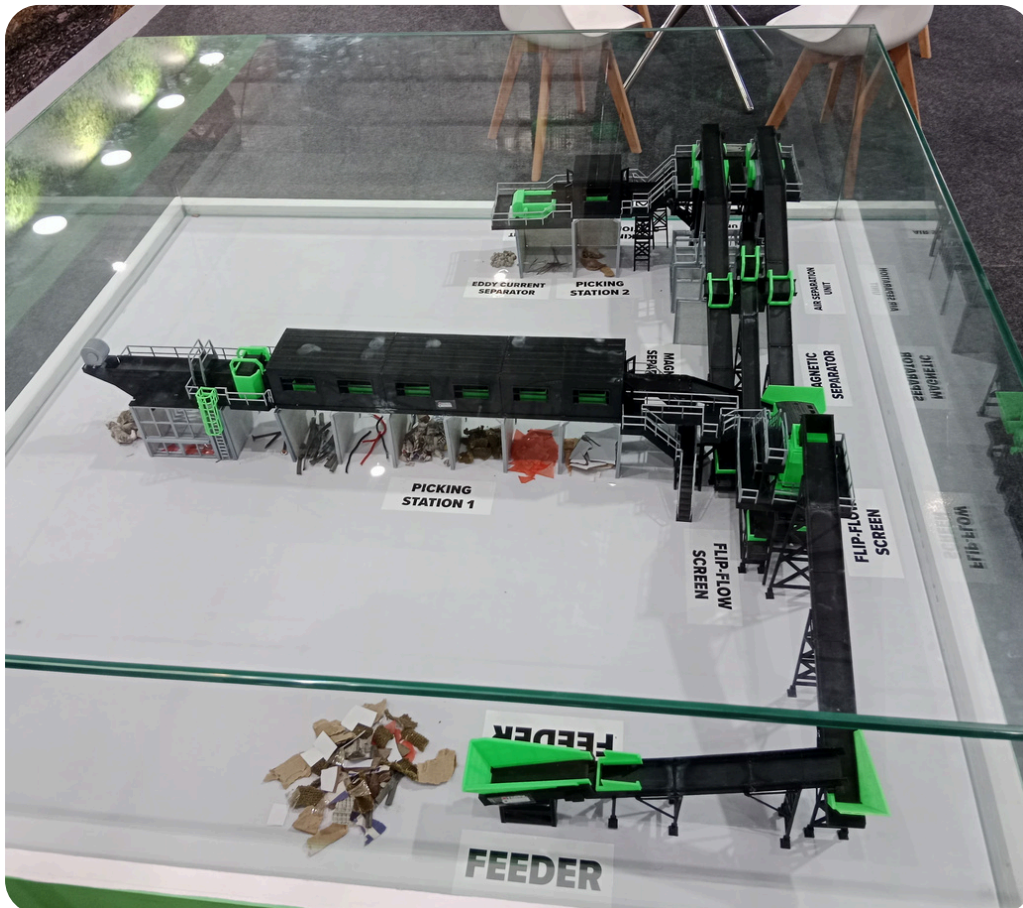
The exhibition was conducted in Hall 1,2&3 of NESCO.

We entered through hall 3 and got the registration Batches , all excited to explore the exhibition.

Hall3:Solid waste management

Hall 3 focused more on the solid waste management, many industrialists specialised in solid waste were present showcasing different methods like shredding ,incineration ,reutilisation,hoping to focus on creating a resource out of the waste generated highlighting the need to segregate the waste making the process easier and more efficient on field .

Exhibitors helped us understand the process done in the actual industry with the help of miniature models for the same ,providing us with their catalogues.



Hall 2:Wastewater management

Hall 2 had exhibitors specialised in waste water treatment and repurposing of the treated waste water , some were marketing their product Displaying the components required in the waste water management (pumps ,pipes , machinaries, aerators, odour removing technology) .

We were astonished by the precise miniature models ,which helped us understand the processes in summarised yet clear way .



Hall 1 :Organic matter decomposition

Hall 1 had exhibitors specialised in decomposition process for organic waste matter .

Exhibitors explained us about the whole process of circular loop and recycling and the repurposing of the organic waste how it can be utilised into the benefit of the environment.

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Dissolved Air Flotation is a Proven and effective Physical/Chemical Technology for Treating a variety of Wastewater streams. DAF works by producing a stream of micro fine bubbles that attach to solids and lift them to the surface, where they can be removed by a surface scraping mechanism.

INDUSTRIES USED

- Meat, Poultry and fish processing
- Dairy Industry
- Petrochemicals
- Pulp and paper
- Food and beverage
- Commercial STP

KEY FEATURES

- Total suspended solids (TSS) reduction up to 97%
- Chemical Oxygen demand (COD) removal up to 85%
- Low-cost operation and maintenance
- Designed for ease of installation and use
- Suitable for high-salinity water
- Standard and Customized units meet a variety of application and flow ranges

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Efficiency of the Black Soldier Fly

Annual Land, Feed & Water usage of Cattle, Swine, Poultry and Black Soldier Fly

Animal	Land Usage	Feed Usage	Water Usage
Cattle	High	High	High
Swine	Medium	Medium	Medium
Poultry	Low	Low	Low
Black Soldier Fly	Very Low	Very Low	Very Low



Some of the exhibitors are mentioned below

Adi comp Indio
Adityo Birlo Foshion & Retail Limited
Atres University of Applied Sciences
Alfo Therm Limited
All Indio Institute of Loco!
Sel-Government
(AILSG)
Bour Folien Indio Privote Limited
Benli Recycling Technologies
Bezores Alpha Drives Indio
Privote Limited
Blue Plonet Environmento!
Solution Indio
Centre for Environment Education (CEE)
Clear Rivers
Doyo Choron & Compony
Dison Hidrolik Mokino Sanoyi
Ve Ticoret Limited Sirketi
Drycoke
Eco Support Privote Limited
Ecocstor SRL
Ecoster Recycling Systems
Elektromag Devices Privote Limited
Elektromag-Joest Vibrotion
Fabhind Privote Limited
Fogus-Grecon Greten GmbH & Co. KG
Firefly AB
For Rec S.PA
Fornnox Technology Privote Limited
Globol Allionce for Textiles
Sustainability
Goo Waste Monogement Corporation
(GWMC)
Horden Machinery Limited
Horvest Waste India Holding B.V
Hollowbrane Membrane Technologies
Hydromech Technology
Ideo Holding Limited
Indogreen Enviro Privote Limited
Internotionol Solid Waste Association
(ISWA)
Jaykrishna Magnetics Private Limited
Jindol Waste to Energy
Jospong Group of Componies
Konadevia India Private Limited (Eorlier Hitachi Zosen Indio
Private Limited)
Komptech GmbH
Leistertech Project India
Private Limited
M&J Recycling
Moterial Recycling Association
of India (MRAI)
Metso Outotec India Private Limited
Nochiket Engineering Private Limited
National Solid Waste Association
of India (NSWAI)
Neo San Private Limited
Netherlands Pavilion (Consulate
General of The Kingdom of The Netherlands)
Nihot Recycling Technology B.V.
Pal SRL
Peiner Smag Machinery India
Private Limited
PH1 Industries Private Limited
Proveg Engineering & Food Processing
Private Limited
Rentec NV
Sambhuya R Energy
Samkitech Green Technologies
Segel India Private Limited
Shepha Management Solutions
Private Limited
Stree Sanmar
Susboe
Techmark Engineers & Consultants
Technimex International BV
Tectiko Innovations & Equipment
Private Limited
Terex India Private Limited
Textile Committee
Thapar Engineering Works (Duromech)
Uniseven Engineering & Infrastructure
Private Limited
Valvan Soenen India Private Limited (Valtech Group)
Vecoplan AG
Vikah Ecotech Private Limited
Why Waste Wednesdays
Zero Waste Management LLP

tAditech Solutions
Administrative Staff College of India
Aerico Engineering Private Limited
AGEP India Private Limited
Aiwell Woter AS
All Indio Shri Shivoji Memorial Society
APK Aquotech Privote Limited
Apzem Environmental
Aqozone Industries
Aquarius Engineers Private Limited
Ascent Technologies Private Limited
ASI Technology Private Limited
Autodesk India Privote Limited
Autus Environment Protection Technologies
Privote Limited
B&G Engineering Industries
Boldoto Envirocore Private Limited
Boriflo Cybernetics Private Limited
Bermad India Private Limited
Bhagwati Engineering Co
Bhawal Steel Agency
BKS Engineers
BlueDrop Enviro Pvt. Ltd.
Bluesen Co., Limited
Boerger India Private Limited
Bokju Co., Ltd.
lot Private Limited
Bry-Air (Asia) Pvt. Ltd.
C V Patil and Associates
Cambi
Chem Process Systems Private Limited
Chemin Enviro Systems Private Limited
Cimcon Software India Private Limited
Colex Korea Co., Ltd.
Concept Biotech
Construction Times
Creative Entrepreneurs LLP
D Y Patil (Deemed to be University), Navi Mumbai
Daehan Sensor Co., Limited
DTPL Enviro Techsolutions (OPC)
Private Limited
Durel International LLP
Ecolagro Venture Private Limited
Engineering And Environmental Solutions
Private Limited
ERATOZ
Flow Dynamics India Private Limited
Fluxgen Sustainable Technologies
Frost & Sullivan
Geo Climate Risk Solutions
Private Limited
Geobruigg India Private Limited
GKW Consult GmbH
Grenex Limited
Hyorim E&I Corp.
IMTB Engineers Private Limited
Inch Enviro Technologies Private Limited
Indian Plumbing Association
Indonet Plastic Industries
Initiative
Integerspin Private Limited
Ipec NV
IVAR Carbons Private Limited
Jain Irrigation Systems Limited
Kanta Biotech
Ketav Consultant
Korea Pavilion - Korea Trade-Investment
Promotion Agency (KOTRA)
Korea Water Resources Corporation (K-Water)
KPT Industries Limited
Kristnam Technologies Private Limited
Kritsnam Technologies Private Limited
Lind Jensen Machinery Private Limited
Livefibre Connect Private Limited
Mechartes Researchers Private Limited
Modern Plastics
Nimble Vision Private Limited
Norway Pavilion (Royal Norwegian
Embassy)
Norwegian Water Cluster
Nudron IOT Solution LLP
OEM Update
Ozone Research And Applications India
Private Limited (ORAIPL)
Permionics Membranes Private Limited
Plato Green Tech Private Limited
Poonam Pipes & Tubes Private Limited
Prasinos Tech Innovations
Private Limited
Projexel Process Equipments
Private Limited
PT Ecological Services Private Limited
Real Tech Systems Pvt. Ltd.
Rototech Engineering Systems
Saint Gobain Performance Ceramics and Refractories
Samyang Corporation

