APChemi

Leaders in Pyrolysis & Post-Processing

Since 2007



We produce
5,000,000 liters/year
of fractionally
vacuum-distilled
pyrolysis oil for
manufacturing
circular chemicals,
polymers, and
carbon black.
ISCC PLUS certified
pathway available.

PROVEN PYROLYSIS RECORD

17 Years | 47+ Plants | 179M Kg Processed
12 Patents | 3,000+ Jobs Created | ISCC Plus Certified
Plastic, Tyre & Biomass Pyrolysis + Purification Technology

Supported by:







APChemi

Masters in Pyrolysis

Your Partners in Circularity & Decarbonisation

Solutions

- 5KTA (Kilo Tonnes per Annum) Pyrolysis Oil Purification and Supply
- Pyrolysis and PyOil
 Purification
 - o Pilots
 - Technology
 - o BEP
 - o DED
 - Installation and commissioning
 - Operations
- Project Management Consultancy (PMC)
- Troubleshooting

Core Technologies

- Plastic Pyrolysis & Oil
 Purification Patented
 technology for refinery-grade
 ISCC Plus oil
- Tyre Pyrolysis Pyrolysis and upgradation for rCB and cCB
- Biomass Pyrolysis Producing biochar for carbon sequestration



Ongoing Projects (2025):

- Own Operations
 - 6KTA pyrolysis oil purification plant in India with planned pyrolysis capacity expansion supported by Department of Science and Technology, Govt of India
 - o ISCC Plus in progress



- 5 x 500 TPD (Tonnes Per Day)
 biomass pyrolysis plants:
 post-agricultural biomass
 waste conversion projects Biochar India Pvt Ltd a JV
 collaboration with PRESPL
- Large-Scale Industrial Projects
 - 40 TPD biomass pyrolysis plant for sugarcane waste processing (Asia)
 - 300 TPD woody biomass to biochar for metallurgical applications (Asia)
 - 15 TPD plastic advanced recycling plant (Middle East)
 - Chemical recycling (Global petrochem companies)

- Natural gas pyrolysis for graphene and hydrogen production (North America)
- Eggshell Pyrolysis (Europe)
- Research & Development
 - Indo-Danish Green Hydrogen
 Project in collaboration with
 Aalborg University Denmark
- Troubleshooting of 3rd-Party
 Technology
 - 20 TPD pine-cone biomass pyrolysis plant (Africa)
 - 40 TPD bamboo biomass pyrolysis plant (Asia)
 - 250 TPD pyrolysis plant (Middle East)

Completed Projects (Since 2007)



- 3 ISCC Plus Certified Pyrolysis Plants accelerating chemical recycling.
- 45 Pyrolysis Plants for Plastic, Tyre and Biomass
 - Engineered 42 TPD (12.6 KTA)
 plastic pyrolysis plant for UK
 client
 - Manufactured and supplied multiple plants globally
- Pyrolysis Oil Processing Plants
 - 2 pyrolysis oil purification plants
 - o 2 pyrolysis oil distillation plants

• Pilot Plants Supplied:



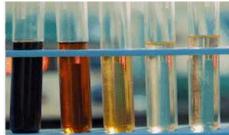
- o 2 clients in Europe
- University of Melbourne,
 Australia; King Saud University,
 Saudi Arabia
- Central Institute of Plastics
 Engineering and Technology,
 India
- Proof of Concept (POC) Projects
 - Conversion of ETP/STP biosludge to activated charcoal for a refinery
 - Plastic waste to bitumen, chemical recycling, biochar
 CDR

Awards & Recognition

- Funded by Government of India (\$0.5M)
- FICCI's Disruptive Circular Technology Award
- KPMG's Circularity Award
- Y ACT Clear Air India Challenge Winner (\$150K)

APChemi

















Ecosystem Partners and Support:



















































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