



THE FUTURE IS RIGHT HERE

Pioneer in Palm Biodiesel Process Engineering and Plant Provider to the World's First Integrated Palm Biodiesel Plant



- Expertise Counts • Biodiesel Process • Physical Refining Process • Dry Fractionation Process
- Global Partnership • Always Looking Forward

Excellence in Oils & Fats and Pioneer in Biodiesel Technologies



Corporate Profile

Vision

The LIPOCHEM Group aspires to be an excellent world class corporation in its core business of process technologies for palm oil refining, biodiesel, fats & oils and related products

Mission

We are committed to:-

- Exceeding our clients' expectations through innovative and high quality engineering products and services.
 - Placing strong emphasis on a learning work environment to stimulate staff development and moulding high caliber professionals as a team.
 - Continuously enhancing the Group Value and financial stability and our ability to deliver on our commitment at all times.
 - Embedding quality and continuous improvement in all our business processes to best serve our clients.
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Although founded in year 2001, our people have more than 30 years of experience in designing, construction, testing and commissioning of Oils & Fats processing plants and equipment.



Physical Refining Process



Deodoriser in a 1,500TPD Physical Refining Plant in Sabah, Malaysia.

Bleaching and Deodorisation Process



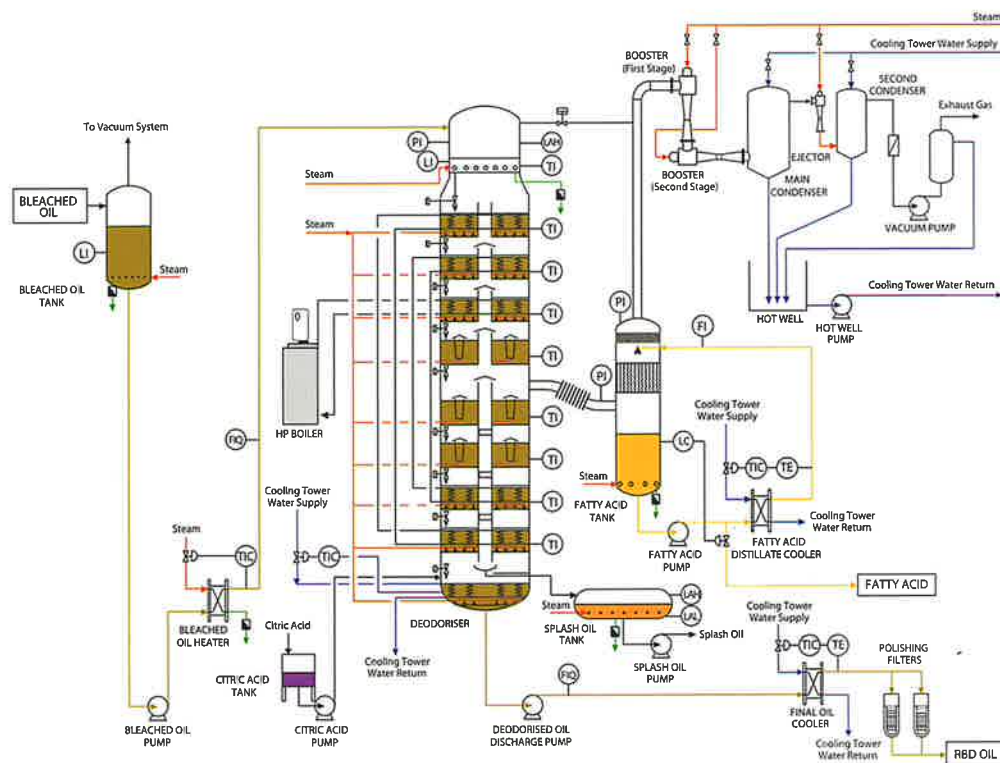
A distinct feature of LIPOCHEM's bleaching system is the use of steam agitation in the "zig-zag" bleacher. Specially designed steam spargers over a series of sloped trays ensure thorough mixing and prevent earth deposition and stagnant pockets thus reducing maintenance.

LIPOCHEM improves the technology of heating under vacuum by specially designing a final heater in the continuous deodorisation process. As we focus on energy conservation and product quality, we have incorporated efficient features such as double stage heat recovery of up to 80% and low consumption of sparging steam with efficient packed column. Use of the mammoth pump system will reduce extensive splash oil compared to conventional deodorisers.

LIPOCHEM's semi continuous deodorisation process offers the flexibility of multistock change. We have also enhanced the technology of heat recovery under vacuum by incorporating double thermal siphon and cooling under vacuum where antioxidant dosing is done under vacuum improves the stability of the product.



Semi Continuous Deodorisation Process





Expertise Counts



Overview of a 1,000TPD Physical Refining Plant in Sumatra, Indonesia.

Why choose us ? Because Expertise Counts



LIPOCHEM understands that each client's demands and requirements are unique. We strive to facilitate our client's businesses by developing products that meet ever changing industry trends.

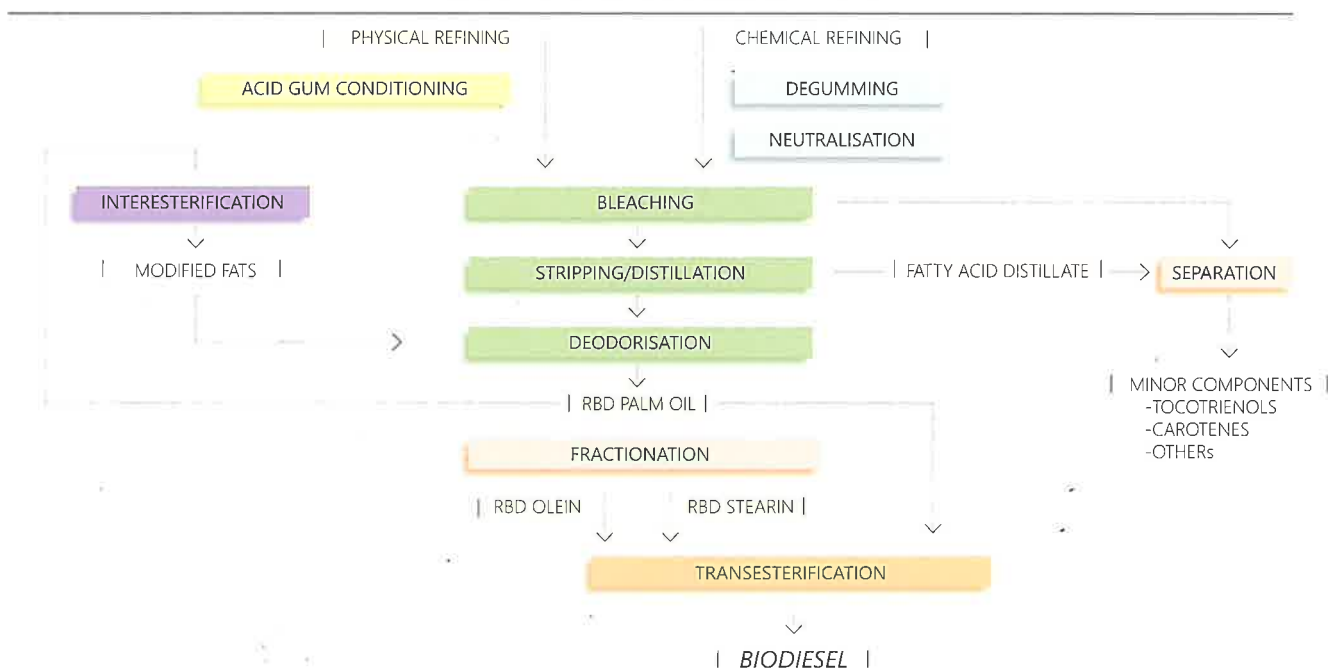
To maintain loyal customers, our concept of value includes a strong team of professionals to provide expert guidance towards the best solution and the most economical plant. Our after-sales service ensures that continuous support and guidance is provided even after the initiation of the process plant.

Our highly skilled service team is always standing by to share their know-how with you. We ensure that our competence is maintained at the highest level by constantly upgrading our skill through practical and advance training. In addition, we aim to deliver quality services that exceed our client's expectations as well as place them firmly ahead of their competitors.



Various Refining & Processing Routes for Oils & Fats

CRUDE PALM OIL / CRUDE VEGETABLE OIL





Global Partnerships



Overview of a 200 TPD Palm Biodiesel Plant in Colombia.

New Technologies, New Vision



LIPOCHEM has been enhancing its position as a leader in the process and engineering industry. With a team of very competent and high performing professionals, we have developed a comprehensive range of process solutions in Lipid technologies. To accomplish our vision of industry leadership, we have extended our team by establishing global partnerships.

Our Partners

MJIIT, MALAYSIAN-JAPAN INTERNATIONAL INSTITUTE OF TECHNOLOGY – Technical collaboration in new biodiesel technologies.

YABUTA, JAPAN – Special Membrane Filter Separation Processes that enable filtration under low temperature conditions in the area of novel lipid separations.

MPOB, MALAYSIAN PALM OIL BOARD – Technical collaboration in Biodiesel Technologies and various other research and development works in lipid technologies.

LIPOCHEM can now offer the best solution to you in any part of the world as LIPOCHEM has gone international with our proven technologies, international affiliations and a team of experienced scientists and committed engineers.



LIPOCHEM's Technology Goes International





Always Looking Forward



Overview of a 200 TPD Multi-Feedstock Biodiesel Plant in Indonesia.

One Step Ahead



As a leading company in the Oils and Fats industry, LIPOCHEM believes in looking forward to the future by expanding our concepts and horizons, and combining them with our proven solutions through joint collaborations with our current and new partners as well as our customers. We are determined to achieve our goals by improving and further developing the current Oils and Fats technologies.

We can tailor-make plants and processes to your requirements including:

- Interesterification
- Esterification
- Neutralisation
- HydroFlex Hydrogenation Plant
- Filtration
- NoveLin Plant
- Multi-Feedstock Biodiesel Plant
- Specialty Esters Plant



**For more information, please do not hesitate to contact us.
We welcome the opportunity to discuss how LIPOCHEM can add values to
your products and business.**

**You can always count on us for the best solution to your needs, keeping you
One Step Ahead in your business.**

CONTACT US:

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