

SOYA BEAN OIL

MANUFACTURING PLANT

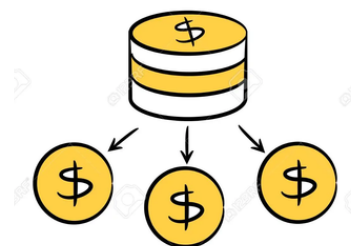


About us:

PHANS4 CONSULTING PRIVATE LIMITED, For more than 10 years, we have been supporting companies and startups around the globe, helping them to improve the sustainability of their competitiveness and performance capabilities along the entire value chain in "Food processing industry" with the aid of innovative technologies and expert consulting.

Services we offers:

- **Market research:** We define market and develop a market strategy by analyzing trends, competition, threats and opportunities in that particular field.
- **Business plan:** We make a business plan for a startup by projecting key aspects like Business concept, market analysis, financial projections & marketing strategies.
- **Funding & Allocation:** We are offering funding solutions & assistance for your startup such as like angel investors, venture capitalists & debt from banks or other financial institutions etc.
- **Business structure:** We choose the right business structure for your startup such as Sole proprietorship, Partnership, Corporations & Limited liability company (LLC).
- **Business registration:** Registering your business at federal, state & local levels. Registering for intellectual property protection and obtaining TAX ID & insurances coverage to protect your business from liabilities & risks along with "Employer identification number-Udyog Adhar" issued by micro small & medium enterprises.

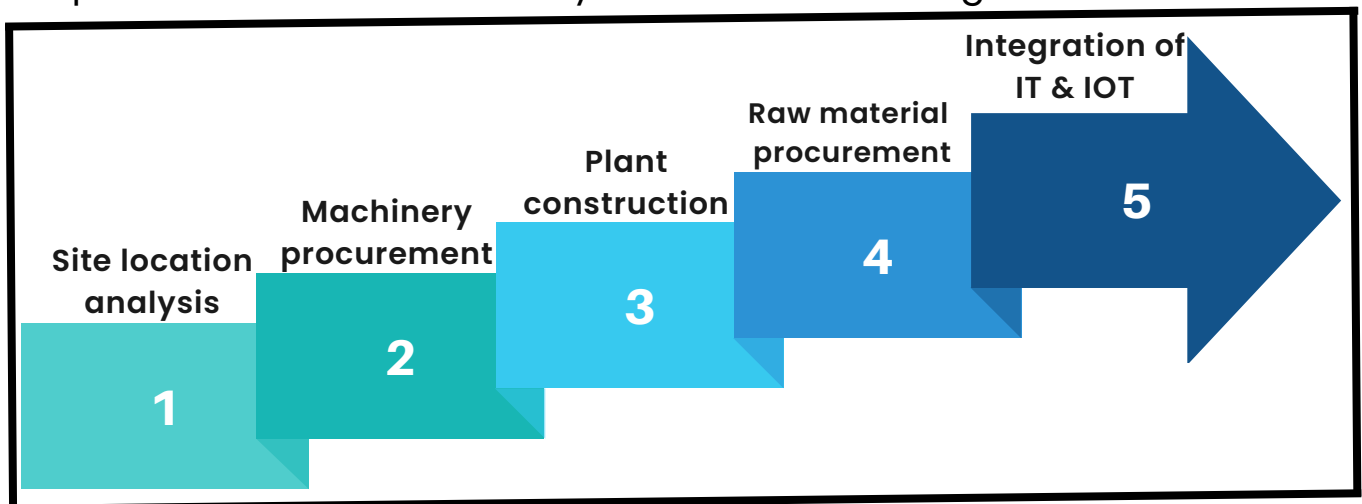


- **License & Permits:** We are offering License & permits solutions & assistance from several departments such as Business license, Tax registration (TIN), Occupational licenses. Permits - health, Safety, environmental & building etc.



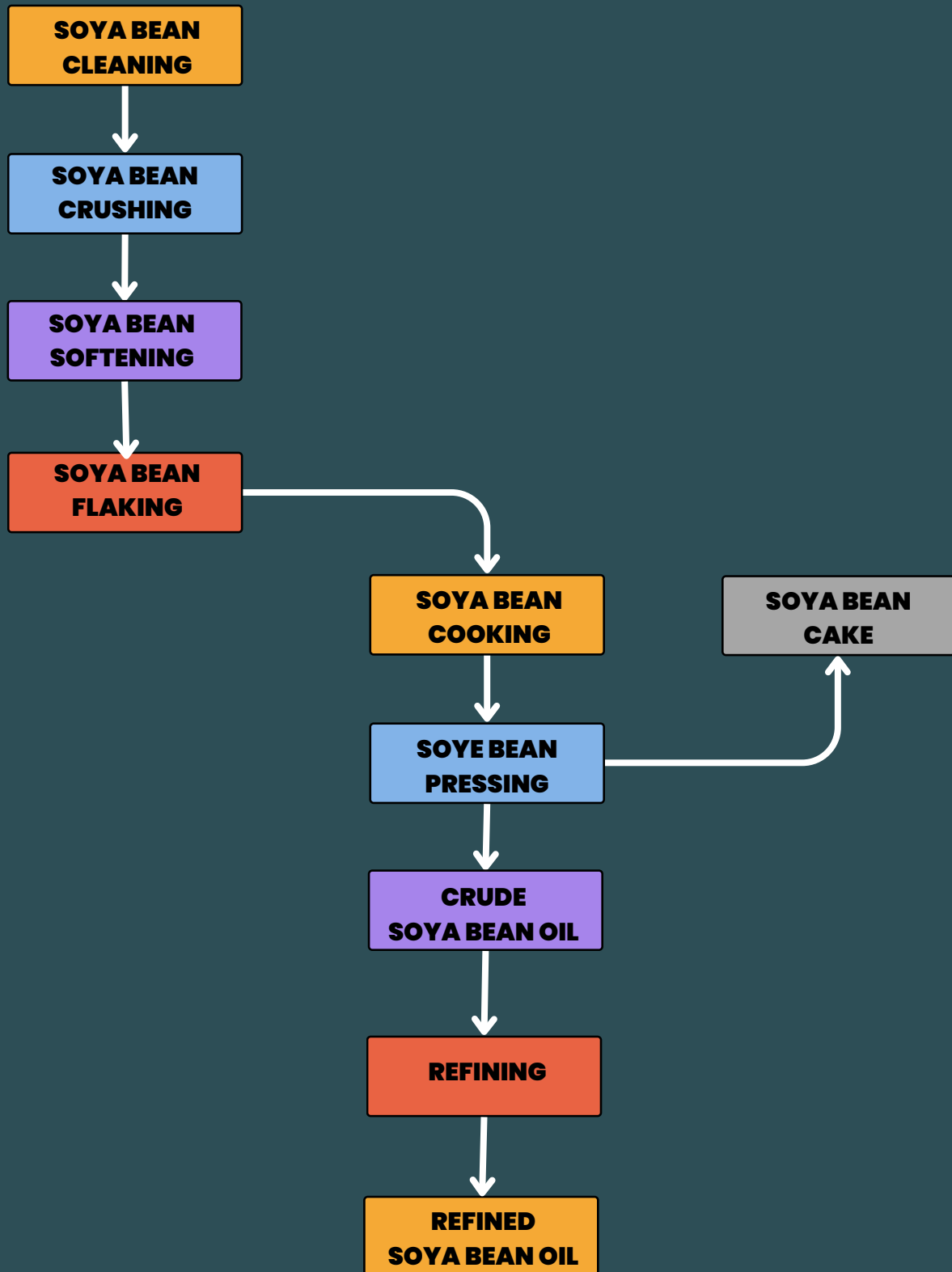
- **Detailed project report (DPR):** We prepare Detailed project reports for your startup which includes Business overview, technical details, financial projections, marketing plans, operational plans, risk analysis, legal & regulatory compliances and implementation schedule etc.

- **Site location analysis:** We do site location analysis by taking competition, accessibility, regulations & zoning, work force availability and target audience as parameters.
- **Machinery procurement:** By evaluating production capacity, available space & financing options we select machineries with required capacities ensured with safety & environmental regulations.



- **Plant construction:** We provide services like feasibility studies, designing, procurement of equipment, construction & installation.
- **Raw material procurement, dealer-customer identification & negotiation:** We are offering services like identifying suppliers-customers, negotiation, establishing a supply chain and monitoring.
- **Integration of IT & IOT:** implementation of enterprise resource planning (ERP) systems, leverage data analytics, automations, IOT devices etc. to make efficient business operations.

PROCESS FLOWCHART



- **SEEDS CLEANER:**

Soya beans seed cleaner is a vital equipment for soya bean oil processing. It's efficiently remove impurities from raw soya bean seeds such as stones, dust and other foreign materials to ensure that the seeds are quality for further processing.



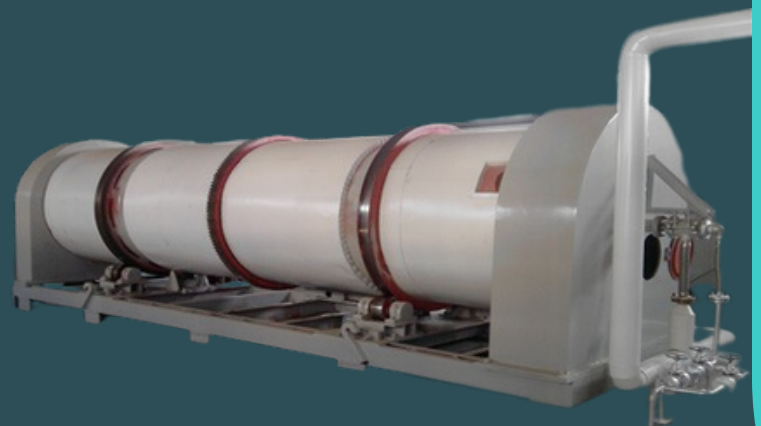
- **SOYA BEANS CRUSHER:**

This soya beans crushing machine works with two rollers that's works in two opposite directions and it breaks soya beans into smaller pieces and releases the oil trapped inside.



- **SOYA BEANS SOFTENER:**

This soya beans softening process involves application of heat and moisture to the soya beans to make its process simple, improve the quality of oil and its helpful to reduce further processing time of soya beans.





- **SEEDS FLAKING:**

This machine is very useful in oil processing. Where seeds are flattened or crushed to make them easier for further process. It involves the mustard seeds through a set of rollers to make them flatten by pressure.

- **SOYA BEANS COOKER:**

This soya bean cooker involves steaming the soya beans at high temperatures as per desired outcome. This machine useful to soften the soybeans, making them easier to process and extract oil from it.



- **OIL EXPELLER:**

This oil expelling machine is used to extract oil from oil seeds. It works by applying mechanical pressure to the oilseed which forces the oil to be released from seeds. The oil is squeezed out through small opening in the press.



• **OIL REFINING:**



This oil refining machine is a very crucial in edible oil processing plant and it helps to remove impurities and improves the quality of oil.

This refining process have several stages, such are:

- Degumming.
- Neutralization.
- Bleaching.
- Deodorization.

INSTALLATION:

Phans4 consulting private LTD offering installation solutions for micro small and medium enterprises machineries.

- Site selection & plant layout designing.
- Procurement of machinery & installation.
- Utilities installation.
- Testing & commissioning.

OPERATION & MAINTENANCE:

- Phans4 consulting private LTD offering training program for staff to do their job efficiently.
- we train the plant staff on operation & maintenance of machinery, quality controlling & production etc.

Contact us:

#703, Dega towers, Somajiguda,
Hyderabad, Telangana, 500082.

 +91 7842430123

 business@phans4.com