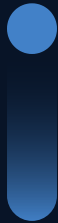


MILK

PROCESSING PLANT

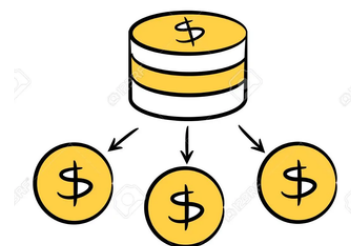


About us:

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.

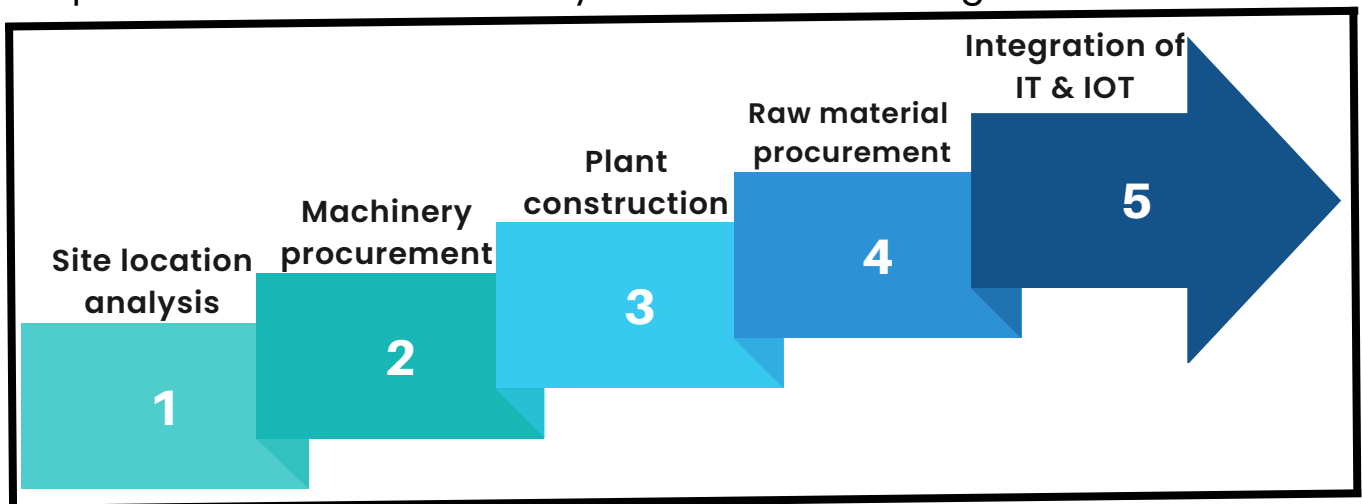


- **License & Permits:** We are offering License & permits solutions & assistance from several departments such as Business license, Tax registration (TIN), Occupational licenses. Permits - health, Safety, environmental & building etc.



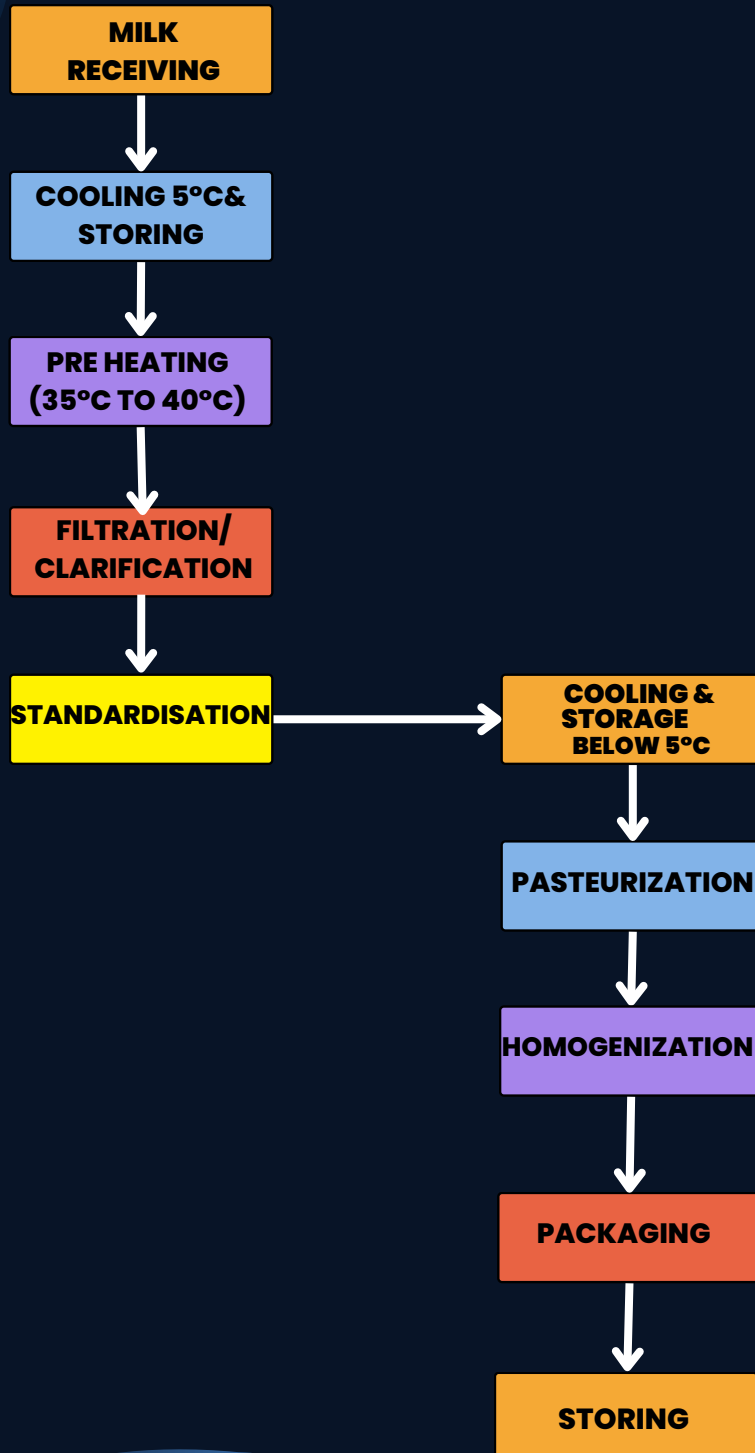
- **Detailed project report (DPR):** We prepare Detailed project reports for your startup which includes Business overview, technical details, financial projections, marketing plans, operational plans, risk analysis, legal & regulatory compliances and implementation schedule etc.

- **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



- **RAW MILK STORAGE:**



This silos or milk chilling tanks are designed to store raw milk collected from the farmers and store it at low temperature at 2°C-4°C until it is processed into various products.

- **MILK PRE-HEATING MACHINE:**



This pre-heating machine designed to heat raw milk to a specific temperature before further processing. This pre-heating process help to kill any harmful bacteria & microorganisms that present in the milk which may cause to contamination of milk.

- **MILK FILTRATION:**



Milk filtration machine involves in milk processing plant that removes impurities & solid particles from the raw milk to produce a safe and quality milk. Firstly, the raw milk passed through a series of filters which removes large particles like dirt, hair & insects. Then passed through finer filters which removes bacteria, somatic cells & other impurities.

- **MILK CLARIFIER:**



The clarifier works by utilizing centrifugal force it separates the heavier particles from the milk such as dirt, dust & other impurities are forced to the outside of the rotating bowl.

- **MILK PASTEURIZER:**



To improve the safety and shelf life of milk, this milk pasteurizer is the perfect solution. Its designed to kill harmful bacteria, pathogens and microorganism in milk by heating. This pasteurizers were capable to process huge volumes of raw milk and equipped with advanced control systems like temperature control systems to achieve desired level of pasteurization, user-friendly control panel, safety sensors and emergency stop buttons to ensure safety.

- **MILK HOMOGENIZER:**



This homogenization machine involves in milk processing that breaking down the fat globules in milk to create uniform and consistent product. It works by forcing milk through small nozzles under high pressure.

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:

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