



## Vispo Alternate seeks to become engineering solution provider company

**V**ispo Alternate Energy Pvt Ltd (VAEPL) is as an upcoming company in the field of Gasification technology and alternate energy. At present the company is engaged in development, designing, manufacturing and supply of next generation gasification technology. Vispo is the flagship company of Jainam Group which is present in the market in oil refinery, logistic, real estate and hospitality business from last two decades, and has a turnover of more than Rs 600 million. Vispo is seeking to become an engineering solution provider company in the field of energy solutions and environmental protection. Chairman and Managing Director (CMD) of Vispo Alternate Energy, Pravin Jain talks about the company's activities in an exclusive interview with Sanjay Singh. Excerpts of the interview

**Q** Can you give brief details about your company's various products? We are in the business of providing state-of-the art solutions meeting growing customer needs for efficient, highly available, reliable as well as

cost-effective alternate sources of energy.

The solutions are based on new generation gasification technology and comprise design, development, manufacturing, erection and

commissioning.

The gasification technology offers a clean and quality producer gas of higher calorific value as obtained from any grade of Indian Coal (A to F grade). Depending on customer needs, site

conditions and applications, VAEPL offers VAE 5, 6 and 7 series of Coal Gasification plant which are tailor-made to ensure value-for-money to the customer.

VAE5 Series coal gasifier are suitable for short distance gas distribution requirement and coal with ash contain up to 30 percent. The gasifier provides uninterrupted gas. The gasification in this gasifier is done at high temperature.

VAE6 Series coal gasifiers are suitable for fuel with ash contain up to 25 percent and long distance distribution of producer gas. This gasifier can deliver high and low temperature producer gas as per customer requirement. This series of gasifiers are ideal solutions for small and medium-scale rolling industry.

VAE7 series is next gen gasification system with LTC Shaft technology and 100 percent top off take of producer gas.

In Low Temperature Carbonization (LTC) technology organic substance of volatile matter are converted into carbon and light carbon-containing compound through low temperature destructive distillation of feed coal.

As about 90 percent heavy organic compound (sticky tar) of the total volatile matters of coal convert in to free hydrogen, carbon and lighter hydrocarbon (free flow tar), the gas becomes free from heavy hydrocarbon vapour (sticky tar).

By virtue of this unique gasification technology, these gasifiers provide clean and consistent quality producer gas of higher calorific value. The technology enables using coal of any grade (A to F).

VAEPL also offers its customers wide range of producer gas purification and filtration equipments such as electrostatic coal dust, fly ash and tar (light hydro-carbon) collector, dry-cyclone for coal dust and fly ash collection, wet-cyclone for coal dust fly ash and tar (viscose hydro-carbon) collection, multi stand pipe, multi stage venture, impingement baffle plate filter, pecked bad scrubber,



producer gas condenser and mist eliminator, demister pad tower, and de-sulphurisation system.

**Q** In which industries is Gasification Technology used?

Gasification Technology can be used in any industry and any application wherein liquid and gaseous fuel i.e. HSD, FO, SKO, LPG are used. Some of the key potential Industries are rolling mills, ceramics industries, cement industries, power generation, paper and pulp industries, heat treatment industries, constructions industries, glass industries and rubber industries.

As a related application, Gasification is also used in the production of electricity, ammonia and liquid fuels (oil) using Integrated Gasification Combined Cycles (IGCC). IGCC is also a more efficient method of CO<sub>2</sub> capture as compared to conventional technologies.

Like other gaseous fuels, producer gas gives advantages of efficient and cleaner operation as it is possible to handle it better.

Gasifiers offers a flexible option for thermal applications as well, as they can be retrofitted into existing gas fueled devices such as ovens, furnaces, boilers, etc., where syngas

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may replace fossil fuels.

**Q** Your company is involved in the field of alternate energy. Can you elaborate further?

Alternate energy is an umbrella term that refers to any source of usable energy that replaces reliance over fast depleting hydro-carbon resources and at the same time addresses growing concerns over ecology and environmental hazards.

Coal gasification technology is one of the similar technologies which provide insulation from expensive imported hydro-carbon fuels. By virtue of its inherent design this technology promises long-term solution for growing energy demand. This technology not only ensures efficiency but also cost-effectiveness. Also high availability, consistent supply and reliability of this technology present a unique energy proposition to the industry.

**Q** Vispo Alternate Energy aims to become an engineering solutions provider company in the field of energy and environmental protection. How do you propose to accomplish this? We see the alternate energy as the technology of future. The need for alternate energy source is growing day

acquiring innovative technology and present unique solutions to the customer. Thus, we see a promising market in years ahead.

We at Vispo, are very confident and proud to have a team of engineering professionals of high caliber. They are not only technically competent but also have rich experience in this field. Our dedicated in-house engineering and technical team has made our solution not only best performing but also at cost-effective price. Thus we are adequately equipped with intellectual and human resources to match our growth plans.

We further have ambitious plans to enhance technological and engineering capabilities. This has already translated in a state-of-the-art manufacturing and assembling facilities coming up near Ahmedabad very shortly. We have already lined up necessary financial resources necessary for our growth plans.

Based on above, we feel confident that we will be one of the best engineering solutions providing company in field of alternate energy resources.

**Q** Which are the various companies you supply your products to?

Some of our valuable clientele are as follows:

Customer	Capacity	Application
M/s Devashree Ispat Pvt. Ltd.	70 Lacs Kcal / Hr	Billet Re-Heating F/C
M/s M.S.Agrawal Foundry Pvt. Ltd.	70 Lacs Kcal / Hr	Billet Re-Heating F/C
M/s Sarwottam Ispat Limited	70 Lacs Kcal / Hr	Billet Re-Heating F/C
M/s Hariom Concast & Steela Pvt Ltd	50 Lacs Kcal / Hr	Billet Re-Heating F/C
M/s Udayakrishna Steel Pvt Ltd	80 Lacs Kcal / Hr	Billet Re-Heating F/C
M/s H.P. Ispat Pvt Ltd	70 Lacs Kcal / Hr	Billet Re-Heating F/C
M/s Jai Raj Ispat Limited	70 Lacs Kcal / Hr	Billet Re-Heating F/C
M/s Shri Badrinarain Alloys & Steels Ltd	Technology Up gradation	Billet Re-Heating F/C
M/s Amita Product	4.5 Lacs Kcal/Hr	Ceramic Tunnel Kilns
M/s Sunora Ceramics Pvt. Ltd	70 Lacs Kcal / Hr	Ceramic Roller Kilns

by day with fast depleting hydro-carbon resources. Hence we are sure that we are on right path.

The performance of our existing installations exceeds customer expectations and has established us as the leading technology supplier. Our solutions are rated best in their category and are widely accepted in the industry. This performance has enabled us in venturing further in

**Q** Has Vispo entered into any technical collaboration with foreign companies? Not yet to date. But we are in process of the same.

**Q** Where is the company's manufacturing unit established?

Sanad, Viram Ghum Highway, Near Tata (Nano) Projects, Ahmedabad