



**procient**  
When Performance Matters !



**Journey So Far** 



## How did it all start?

2007. It was a time when the distillery technology was being attempted by very few in our country. KBK and Praj were front runners. Mr. Bhide, the "B" in KBK was the managing director at that time. It happened so, that with the installation and commissioning background Bhide sir had, he happened to have different point of view and had CONCERN oriented business module wherein what kind of work we do, What kind of consistency our plants provide were some of the questions held greater priority than how much turn over the company makes.

Out of same passion towards CONCERN oriented business module, Bhide Sir opted out of KBK and along with Mr. Uday Rode, Mr. Tushar Narkhede who used to work for Praj with some other members – relatively young guns – started "Bhide and Associates".

Untimely and sad demise of Bhide sir in 2010 could not make the strong fundamentals he laid disappear in his small organisation, and Bhide and associates functioned under leadership of Mr. Uday Rode up to 2013.

In 2013 Bhide and Associates took new Avtar in the name of Procient engineering with Mr. Uday Rode as Managing director and Mr. Tushar Narkhede as Director.

"You will be known by the work you leave behind, and absolutely by nothing else!"

Honestly, there was no other principle by which Bhide and Associates started their journey. So from small engineering works, some modification works and some consultancy work Bhide and associates began the journey with only one motive ahead – the concern. Concern towards the work which is being done. The empathy and truthfulness towards client soon built the repute of then Bhide & Associates and now Procient Engineering Pvt. Ltd.

This dossier is nothing but the footprints of various projects where this family has remained directly or indirectly involved. It also is an honest attempt of reminding ourselves where we are and how we began.



## Plant : Atharv Intertrade Pvt. Ltd. Maharashtra (Leased Daulat SSK) 74 KLPD Molasses Multifeed Ethanol Distillery - Turn Key



### Contribution

Atharv's Total plant comprised of fermentation Distillation, MSDH with PESO storage of 20 lac & all the utilities & structural work.

Timely completion, effortless commissioning & full production by achieving all critical performance parameters is a great achievement for us.

## Plant : Shriram Trading & Manufacturing Company, Maharashtra 60 KLPD Pharma Grade Ethanol Plant

### Contribution

With a strong recommendation & good feedback from our clients, shiram Trading chose us for delivering Extra High Purity Ethanol Plant.

Shriram's 60 KLPD Rs to Ethanol plant with PLC bared automation & utilities to produce Ethanol of minimum 99.95% or moisture content of max, 0.05% by karl fischer.



## Plant : National Industrial Corp. Ltd, Uttar Pradesh 60 KLPD Complete Turn Key Distillery plant



### Contribution

NICOL's 60 KLPD turn key plant with complete fermentation, distillation, evaporation and MSDH. NICOL also has opted out for ProWATCH our remote plant assistance module!

## Plant : Shwe Hinn Thar, Myanmar 42 KLPD Dual Feed Distillery plant

### Contribution

Complete Turn key project. Functioning up to the mark from 2017.

Easy switch-over of feed stocks (molasses & grain), Liquefaction without milling, multi pressure distillation at 1.5 bar(g) steam pressure, are highlights of this project.



**Plant : Win Brothers Group Co. Ltd., Myanmar (J. V. Partner of Seagram's)**  
66 KLPD Multipressure ENA Plant



### Contribution

Final Product ENA required for Seagram's brands launched in Myanmar, Win Brothers trusted our design and complete plant supply. Our ENA quality as well as our efforts during pandemic were well appreciated by the client.

**Plant : KMG Company Limited Taunggyi, Myanmar**  
40 KLPD Dual Feed Distillery plant

### Contribution

KMG being the most reputed group in Myanmar, it was prestigious order for us. Complete process plant (liquefaction, fermentation, distillation, evaporation) is of Procient's. We also ensured plant functionality for months post commissioning with our ProFAM module which was invented purely out of the need at that time.



## Plant : Oaisis Alcohol Ltd., Satara Maharashtra

60 KLPD Grain Based Distillery



### Contribution

Apart from actual fabrication, entire plant execution was in our scope. It began with consultancy and due to our efficiency got extended to complete design engineering, manufacturing supervision, pre-commissioning quality check, commissioning supervision along with ensuring the plant functionality. Presently the flawless functionality of this plant has a lot to do with our association there.

## Plant : Millennium Alcobev, Myanmar

Turn key Bottling Plant

### Contribution

It was a complete turn key plant bottling plant. Right from layouting, conceptals to actual supply and installation of Bottling lines, blending process, storage tanks, Water treatment plant, firefighting, electrical, setting up laboratories etc. entirely done by us back in 2017.



## Plant : Adlers Bio Energy Ltd, Osmanabad, Maharashtra

60 KLPD Grain based Distillery - Total Plant



### Contribution

Adlers: Total Process plant (Liq, Ferm, MPR Dist, MSDH & Evap with CPU & PESO storage)

This project was the most challenging of all the projects done by us & we are really proud to achieve all the parameters.

## Plant : Oasis Alcohol India Private Limited, Karad, Maharashtra

20 KLPD Pharma Grade Ethanol Plant

### Contribution

The state of art ProDEHY technology introduced by Procient at Oasis helps them yield pharma grade ethanol capable of forming 40 different products in pharmaceutical industry.



## Plant : Globus Petroadditions Private Limited Maharashtra 100 KLPD Ethanol Plant



### Contribution

Complete design, engineering, assurance of adequate implementation of technology, responsibility of functionality was in our scope.

## Plant : Sar Senapati Santaji Ghorpade Sugar Factory, Maharashtra 50 KLPD evaporation and ethanol plant.

### Contribution

Evaporation had severe issue of scaling and choking.

We introduced our technology ProVAP and have successfully increased the cleaning schedule from 10 days to over 60 days now.

The work we did there, helped us secure our order for complete RS to Ethanol turnkey plant which is under installation today.



## **Plant : Dalmiya Bharat Sugar & Industries Ltd., Kolhapur.** 55 KLPD Molasses Distillery Plant

### **Contribution**

Modification of existing 'Wash to ENA' multi pressure distillation plant to achieve better ENA quality and stable plant operation.

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## **Plant : Green Power Sugar Ltd., Satara.** 45 KLPD Molasses Distillery Plant

### **Contribution**

Modification of existing 'RS to Ethanol' Molecular Sieve Dehydration (MSDH) Plant to achieve consistent & continuous production.

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## **Plant : Venkateshwara Power Projects Ltd., Karnataka.** 90 KLPD Molasses Distillery Plant

### **Contribution**

Modification of existing 'Raw Spent Wash Evaporation' to solve scaling, choking & low brix of concentrated spent wash. Cleaning frequency changed from 10 days to 45 days. Product concentration increased from 54 brix to 58-60 brix. And these resulted in saving of coal & cleaning chemical.

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## **Plant : Gwalior Distilleries Pvt. Ltd.** 55 KLPD Grain Dared Distillery

### **Contribution**

Expansion of existing 45 KLPD Grain bared distillery by changing / adding new columns & heat exchanges pumps & modification in piping appropriate for 55 KLPD capacity.



Turn Key Projects



Modification / Revamping



Complete Engineering Design






Complete Consultancy Services

2010

-  Rena Sahakari Sakhar Karkhana Ltd. MH.
-  S.P.Y. Agro Industries Limited Kurnool, AP.
-  HPCL, Bihar





2009

-  Oasis Alcohol Private Limited
-  Manjra Sahakari Sakhar karkhana, Latur, MH
-  Kisanveer S.S.K. Ltd, Maharashtra

2008

-  Morya Grain Distilleries Pvt. Ltd. Aurangabad, MH.
-  Victoria Agro Food Processing Pvt. Ltd. Latur, MH.



2011

-  Shri Shambhu Mahadev Sugar & allied Industries Limited
-  Cox India Ltd. MP.
-  Concord Enviro Systems Pvt. Ltd.
-  Vijay Nagar Sugar Pvt. Ltd. Hyderabad

2012

-  Baramati Agro Limited
-  Jaji Krishi Utpadan & Prakriya Udyog Pvt. Ltd. Buldhana, MH.
-  Shivshakti Sugars, Belgaum, Karnataka



2013

-  Petro Vet, Vietnam
-  United Spirits, Bangalore

2017

-  New Phaltan Sugars
-  Shwe Hinn Thar, Myanmar
-  Kyaw Min Gyi Group, Myanmar
-  Sar Senapati Santaji Ghorapade Sugar Factory, Kagal, MH



2016

-  Malegaon Sahakari Sakhar Karkhana
-  Bwendero Dairy Farm, Uganda

2015

-  Gangamai Industries and construction Limited.
-  SML Distillery, Myanmar

2014

-  Vishwaraj Sugars, Bagewadi
-  Gurudatta Engineering & Consultancy Services Pvt. Ltd. Pune, MH.

## 2018

- Myanmar Distillery Co. Ltd, Myanmar.
- Millennium Alcobev, Myanmar

## 2019

- National Industrial Corp. Ltd., UP.
- Venkateshwara Power Projects Ltd., Karnataka
- Sar Senapati Santaji Ghorpade Sugar Factory, Kagal. MH

## 2020

- Win Brother Group Co. Ltd., Myanmar
- Dalmiya Bharat Sugar & Industries Ltd., Kolhapur
- Green Power Sugar Ltd., Satara
- Sidhleshwar S.S.K. Sillod, Aurangabad

## 2023

- Khandoba Biorefineries Pvt. Ltd., Pune, - Maharashtra
- MRN Bhima Sugar & Power Ltd., Patas, Pune, Maharashtra
- Gangamai Industries & Cnstructions Ltd., A.Nagar, - Maharashtra
- Dalmia Bharat Sugar & Industries Ltd., Kolhapur, -Maharashtra.
- DDN SFA Unit 2, Osmanabad, -Maharashtra
- Gwalior Distilleries Pvt. Ltd., Bhind, - Madhya Pradesh

## 2022

- Sar Senapati Santaji Ghorpade Sugar Factory Ltd., - Maharashtra
- Athani Sugars - Maharashtra
- Karthik Agro Industries Pvt. Ltd., - Bagalkot, Karnataka
- Indian Sugar Manufacturing Co. Ltd., - Bijapur, Karnataka
- Vaibhav Liquors Pvt. Ltd., - Washim, Maharashtra
- Karmaveer Shankarrao Kale SSK Ltd. - Kopargaon, Maharashtra

## 2021

- Adlers Bio Energy Ltd. Dhoki, Osmanabad, MH
- Atharv Intertrade Pvt. Ltd. (Daulat SSK) Kolhapur, MH
- Starchem Industries (Siddheshwar SSK) Sillod, MH
- Shriram Trading & Manu. Co. Kagal, MH

**Plant : Victoria Agrofeed Processing Pvt. Ltd. Maharashtra**  
80 KLPD Grain based Expansion - Total Plant



**Contribution**

Victoria, 45 KLPD grain based distillery expanded to 80 KLPD for ENA with major modifications in distillation section.

In this project, all the expertise of Procient was utilized to keep the investment to the minimum.

**Plant : Starchem Industries (leased Siddheshwar SSK), Maharashtra)**  
Distillery Expansion & 50 KLPD Ethanol Plant molasses based

**Contribution**

Starchem, a 30 KLPD distillery expanded to 50 KLPD with our highly successful Axial flow Pump based Reboiler system for Analyzer Column in Atmospheric Distillation. A complete new molecular Siene dehydration plant with PLC SCADA based automation.



## Complete Design and Engineering

Malegaon Sahakari Sakhar Karkhana	100 KLPD RS to Ethanol
Vishwaraj Sugars, Bagewadi	100 KLPD Turn key Distillery Plant
Globas Petro Aditives limited, Tembhorni	100 KLPD RS to Ethanol Plant
Oasis Alcohol Private Limtied	60 KLPD Grain Based
New Phaltan Sugars	60 KLPD Turn key Distillery Plant
Manjra Sahakari Sakhar Karkhana	60 KLPD Turn Key Distillery Plant
Baramati Agro Limited	60 KLPD Expansion
Shri Shambhu Mahadev Sugar & allied Industries Limited	45 KLPD Turn Key Distillery Plant
Rena Sahakari Sakhar Karkhana Ltd., Maharashtra	45 KLPD Ethanol Plant
Concord Enviro Systems Pvt. Ltd.	40 KLPD Ethanol Plant (From Syngas)
Gangamai Industries and construction Limited	30 to 45 KLPD Expansion RS to Ethanol Plant

## Turnkey projects

45  
KLPD

**Sar Senapati Santaji  
Ghorpade Sugar  
Factory Ltd.**

Ethanol B Heavy  
Molasses/Syrup based  
distillery plant

90  
KLPD

**Athani Sugars Ltd.**

65 KLPD RS, 90 KLPD  
Ethanol & Evaporation  
Plant

65  
KLPD

**Kartik Agro Industries  
Pvt. Ltd.**

Wash to RS Multipressure  
Distillery

150  
KLPD

**Indian Sugar  
Manufacturing Co. Ltd.**

100 KLPD Distillery &  
150 KLPD  
Ethanol Plant

45  
KLPD

**Vaibhav  
Liquors Pvt. Ltd**

Feed Batch Fermentation

74  
KLPD

**Atharv Intertrade  
Pvt. Ltd. Maharashtra**

Syrup, B Heavy & Molasses  
based Ethanol Plant

60  
KLPD

**National Industrial  
Corp Ltd.  
Uttar Pradesh**

Molasses based  
Multi-pressure Distillery  
Plant

Fermentation, Distillation,  
MSDH, Evaporation  
complete process plant

60  
KLPD

**Adlers Bio-Energy Ltd.  
Maharashtra**

Gain Based ENA & Ethanol  
Plant with ETP & Upgraded  
Boiler

66  
KLPD

**Win Brothers,  
Myanmar**

Dual Feed (Grain & Molasses  
based) Multi-pressure  
distillation

50  
KLPD

**Starchem Industries,  
Maharashtra**

Molasses based Ethanol  
plant with all utilities

42  
KLPD

**Shwe Hinn Thar,  
Myanmar**

Dual feed (grain and  
molasses based) multi-  
pressure distillery plant

Liquefaction, Fermentation,  
Distillation, Decantation and  
Evaporation

40  
KLPD

**Kyaw Min Gyi Group,  
Myanmar**

Dual feed (grain and  
molasses based) multi-  
pressure distillery plant

Liquefaction, Fermentation,  
Distillation, Decantation and  
Evaporation

## Team Procient



Launch of Procient's  
Plant Functionality Module -  
ProFAM

Launch of Procient's Remote  
Plant Assistance Module -  
ProWATCH



Team Procient at  
Launch Program

## Our Recent Endeavours



Mr. Uday Rode presented a paper on ProVAP - art of evaporation in the distilleries at business meet arranged by cogen India



Procient officially launched its remote plant assistance module - PROWATCH

Abstracts of our earlier events are available at [www.procient.in](http://www.procient.in)

## Team Procient



**The driving force of Procient!**

## Procient Works



**Procient works of 20,000 sq. ft.  
located at Talawade, Pune**

# Procient Works





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