

# MANUFACTURING OUTLOOK

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## INDUSTRIAL TRAINING EDITION



MANUFACTURING  
OUTLOOK TOP 10  
INDUSTRIAL  
TRAINING  
SERVICES PROVIDERS IN APAC - 2024

## PREFEED

### Maximizing Chemical Plant Performance

**T**ranslating an industrial product idea into reality encompasses a strategic journey from laboratory experiments to commercial production for chemical and refining industries. Since process constraints such as product safety, carbon neutrality, and profitability increase with project progress, chemical engineers require an effective scale-up approach to advance experimental studies to successful full-scale production with the right plant design. While academic education provides foundational knowledge, practical experience is imperative to design solutions in real-world situations.

PreFEED Corporation provides process industries with professional industrial training and consulting services to optimize process development with a proven scale-up methodology.

A leading industrial training company, PreFEED offers an efficient way to scale up to ensure enhanced productivity and, consequently, profitability of the manufacturing plant. Driven by a mission to ensure the success of industrial projects, it supports clients worldwide by providing educational and hands-on training services, modeling, software tools, and consulting to address scale-up issues and optimize chemical plant performance. Using its deep-rooted industry expertise, it guides clients through the complex journey from experimental data analysis to successful commercial production.

"We are a team of professional engineers who study the experimental data, observe them carefully and model the phenomena, aiming to preserve the quality and yield as in smaller-scale experiments," says Yoshio Kumagae, representative director of PreFEED.

One factor that PreFEED teaches is emphasizing the 'rule of thumb,' practical guidelines that are essential for successful design but are mostly overlooked in traditional education. It conducts small-sized classes to impart this practical knowledge, allowing for personalized attention, followed by benchmarking assessments. When clients take the assessment test, it compares the result with its database of 2000 Japan-based engineers and provides valuable insights into areas for improvement. Training sessions are delivered in Japanese and English languages per client preferences.

Yoshio Kumagae,  
Representative Director

PreFEED extends its value proposition to educating clients who use process simulators. Realizing that even the slightest misunderstanding could lead to an unsuccessful project, it takes a comprehensive approach that combines theoretical background with practical simulator training to help clients understand calculations to avoid black-box approach. It trains engineers to combine the results of manual and computer calculations to derive a more favorable and systematic plant implementation to solve problems.



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A life science company sought PreFEED's consulting services for a significant project to introduce new product lines. Over two years, the team assisted in the various implementation stages, from bench testing to plant construction, and helped with the successful completion of the project.

Experiencing success nationwide, PreFEED envisions resuming training delivery to international markets after COVID-19. To enable hands-on learning and a deeper understanding of processes in the chemical and refining space, the company aims to establish a physical experimental facility with a broader vision of founding an engineering school or institute, which will enable engineers to continuously study and apply their knowledge to real-world industry projects.

PreFEED stands at the forefront of industrial training by addressing product development issues with practical solutions. The company's commitment to innovation, excellence, and education positions it as an invaluable partner for clients looking to accelerate process development and enhance plant performance. 

# PREFEED



*Recognized as one of the Top 10 companies at the forefront of providing Industrial Training services, impacting the industry*

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