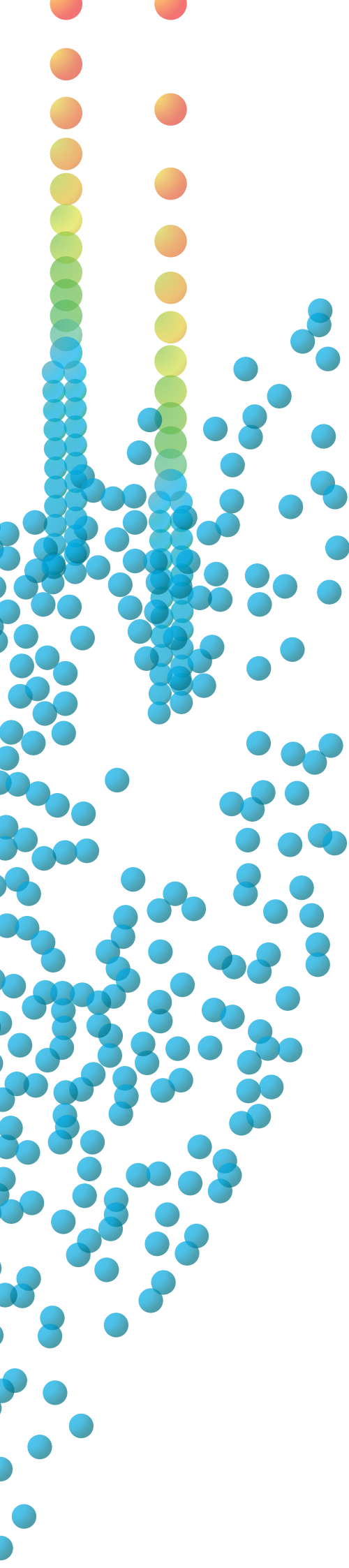




TOGETHER, TO THE NEXT LEVEL.

Next Gen Technology for

- > Industrial Drying & Evaporation Systems
- > Granulation Plants
- > Spray Congealing Systems
- > Air Heating Systems
- > Powder Handling Equipment



APPLICATIONS

STARCH

AGROCHEMICALS

DYES & PIGMENTS

PHARMACEUTICALS

FRUIT COLORS

FLAVORS

CERAMICS

PAPER INDUSTRY

HERBAL

FOOD EXTRACTS

MILK POWDER

STEARIC ACID

BIO-EXTRACTS

POLLUTION CONTROL

EQUIPMENT

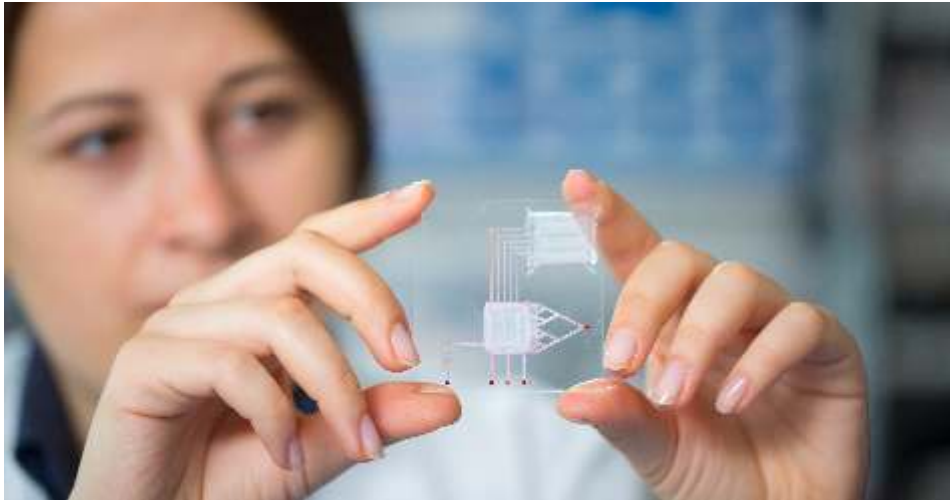
ZERO DISCHARGE

PLANTS

AND MANY MORE....

TO THE NEXT LEVEL WITH SAKA ENGINEERING

By challenging the conventional norms, SAKA RETHINKS, REINVENTS & REDEFINES the technology to create new benchmarks for your process reliability, efficiency & quality. Our vision is to deliver the next level of performance in drying technology for our customers.



DELIVERING THE NEXT GENERATION INDUSTRIAL DRYING TECHNOLOGY WITH

PROCESS EXPERTISE

SAKA has a deep know-how in an exhaustive range of drying applications. The deep application expertise means our products are embedded with an inherent vision to adapt to future needs of your business, thus ensuring an enduring technology for processes.

ADVANCED CFD ANALYSIS

Using next generation Computational Fluid Dynamics (CFD) techniques SAKA is able to simulate and analyse the material behaviour and properties in the process. The deep insights from analysis ensures highest level of performance optimization & equipment reliability, when in operation.

INTELLIGENT AUTOMATION

SAKA's focus in automation is to leverage advanced PLC/SCADA technology to build intelligent drying processes that ensure highest efficiency in operations and best quality in output. SAKA builds and implements easy to use automation as per your process needs and budgets.

WORLD-CLASS QUALITY

Being world-class is core to our strategy. We have established an extensive system of checks to ensure only the highest quality in our sourcing, manufacturing and site work. With SAKA, you are assured of the best quality that performs as promised for years together.



RETHINK ANALYSIS
BY RETHINKING THE
CONVENTIONAL
APPROACHES TO
DRYING PROCESS
DESIGN AND
ENGINEERING, WE ARE
ABLE TO PROVIDE
BETTER TECHNOLOGY
THAT DELIVERS
CERTAINTY IN RESULTS.

DESIGN AND ANALYSIS FOR CERTAINTY IN RESULTS

SAKA employs highly advanced methodology, such as CFD analysis, using cutting-edge tools to deliver guaranteed results for your business. Process efficiency, reliability and system performance are at the core of our design and analysis philosophy.



CFD SIMULATION & MODELLING

Computational Fluid Dynamics (CFD) uses applied mathematics, physics and computational software to visualize how the elements of a process (gas or liquid) flows or affects objects as it flows past.

SAKA's state-of-the-art CFD analysis center uses advanced simulation and modelling techniques to accurately map the relation between velocity, pressure, temperature, and density of a moving fluid, thereby ensuring complete control over process parameters and performance.

The result is a first time right process providing certainty in output & efficiency throughout the equipment's life-cycle.

UNPARALLELED BENEFITS

- > CFD simulation helps to foresee performance before adapting or execution in systems
- > Without installing real system or a pilot, CFD simulation helps understand the most vital parameters for improving performance
- > CFD modelling saves cost and turnaround time and brings reliable results

65+
YEARS OF
DESIGN EXPERTISE

20%
OF WORKFORCE
IN DESIGN

200+
PROCESSES
ANALYZED

REDEFINE QUALITY
BY INTRODUCING
NEW, INNOVATIVE
WAYS AND SYSTEMS IN
MANUFACTURING,
SAKA REDEFINES THE
POSSIBILITIES IN
QUALITY OF YOUR
PROCESS PLANTS AND
EQUIPMENT.



INTEGRATED PROCESS ENGINEERING CAPABILITIES

SAKA's integrated approach to manufacturing, project management and installation, delivers an unparalleled quality for your processes. The integrated approach means thinking from efficiency, reliability and product quality point of view at every stage of project planning and execution, to ensure the next level of performance.



MANUFACTURING

SAKA's manufacturing capability includes 2 manufacturing plants all located in the heart of industrial hubs in Pune, India.

- > Team of 40+ engineers, technicians and managers
- > Manufacturing standardization and value engineering programs
- > In-house manufacturing for basic as well as advanced and heavy engineering
- > Advanced quality control processes for materials, components, manufacturing and vendors to ensure highest system reliability

PROJECT MANAGEMENT

SAKA's excellence in project management brings in several intangible benefits, reduces the risks and ensures smooth execution of projects for its customers.

- > ERP system for seamless communication between design and manufacturing
- > Complete visibility on project progress for the customers
- > On-time, on-budget completion of projects

INSTALLATION & COMMISSIONING

SAKA has extensive experience of commissioning large scale projects and entire plants in India and around the world.

- > Dedicated team of highly experienced engineers for installation, well versed in Safety Health and Environment (SHE) Compliance
- > Commissioning with a focus on best performance of the entire process, in addition to SAKA's equipment

200+

INSTALLATIONS

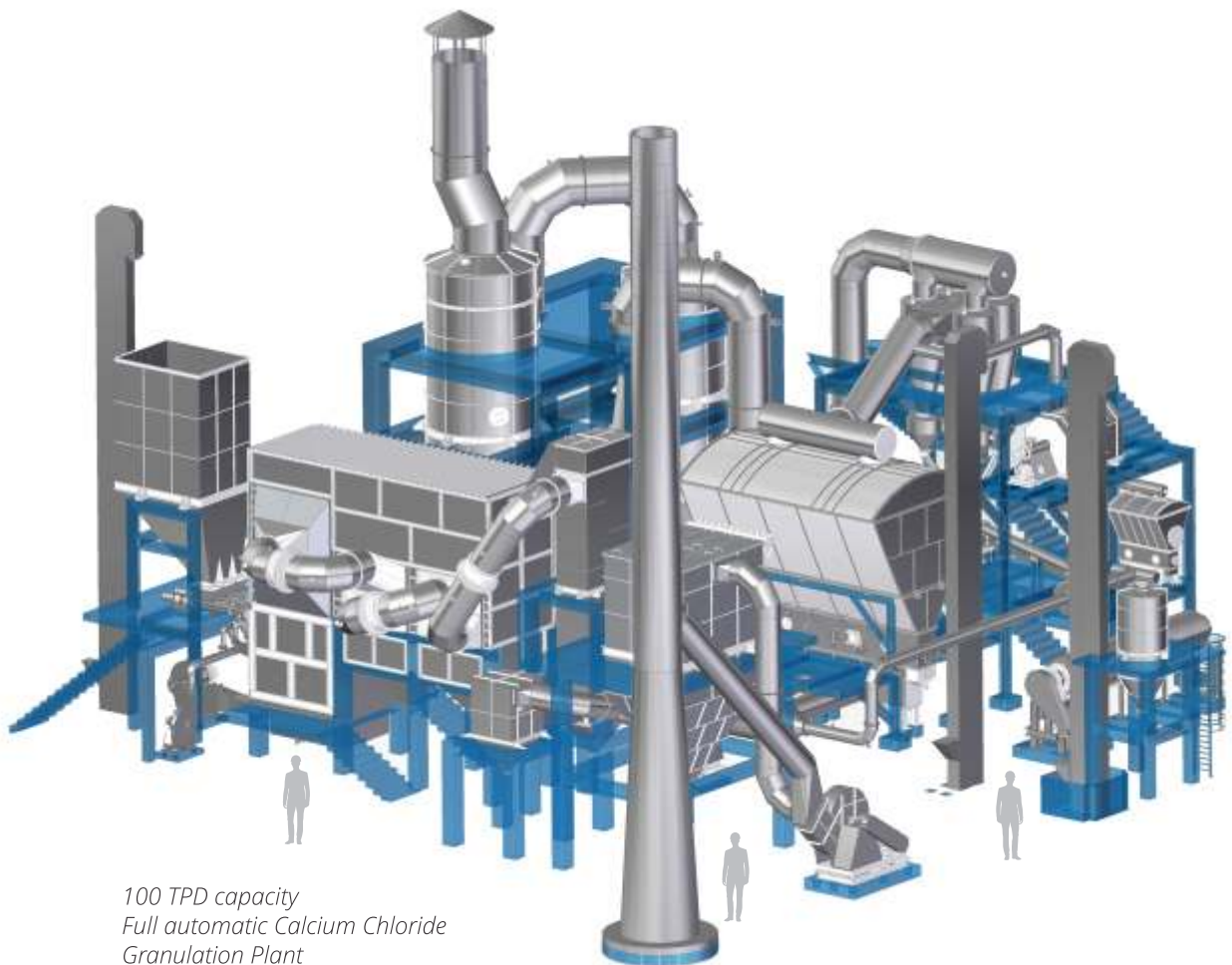
100 TPD+

CAPACITY PLANTS INSTALLED

100+

LOCATIONS ACROSS ASIA & EUROPE

REINVENT EFFICIENCY
BY CHALLENGING
THE 'SO CALLED'
OPERATIONAL NORMS,
SAKA REINVENTS
A NEW BENCHMARK
FOR YOUR PROCESS
EFFICIENCY
AND PERFORMANCE.



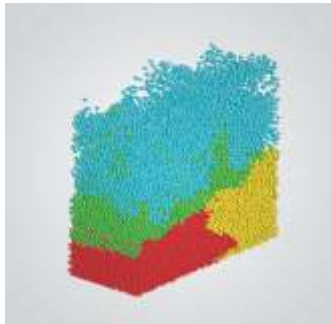
*100 TPD capacity
Full automatic Calcium Chloride
Granulation Plant*

QUICK PAY-BACK ON YOUR INVESTMENTS, GUARANTEED.

From simple, value added equipment such as Heat Exchanger to end-to-end Granulation plants, SAKA's technology delivers the next level of efficiency for your processes. SAKA's team is recognized for innovative ideas and methods that unfold previously unavailable avenues for higher equipment efficiency and lowered production costs to drive greater profitability.

SAKA's equipment and plants are characterised by several features that reinvent the efficiency of your operations

ENGINEERING



- > Process design with highest energy efficiency
- > Flexible designs to accommodate changes in feed or end product quality
- > Equipment design for easy operations and maintenance

OPERATIONS



- > Low maintenance systems that need lesser cleaning
- > Least loss, lower cycle time in processes
- > Advanced, automated systems with intelligent process controls

Mobile Apps

CALCULATE

Output efficiency with inputs on your feed, temperature & moisture content



PRODUCT RANGE

In a short span of time SAKA has set new benchmark in process industry equipment. Today SAKA manufactures wide range of products right from spray dryer to fully automatic granulation plants.



DRYER

In just seven years SAKA has established itself as one of the leader in drying systems. Choose from our wide range of solutions.

- > Spray Dryer
- > Rotary Dryer
- > Tube Bundle Dryers
- > Flash Dryer
- > Fluid Bed Dryer
- > Conduction Dryer



SPRAY COOLERS/CONGEALER

Easy to operate and maintain spray coolers by SAKA are manufactured with latest technology and superior material.

- > Closed Loop
- > Open Loop
- > Prilling Towers



AIR HEATING SYSTEMS

Achieve desired temperature for your process with proven and robust air heating systems.

- > Direct Fired
- > Indirect Fired
- > Thermic Fluid
- > Steam, Coal & Green fuel briquettes



CONVEYING SYSTEMS

Make your bulk material conveying hassle free with our wide range of material handling solutions.

- > Pneumatic Conveying Systems
- > Special Purpose Screw Feeders
- > Bucket Elevators



POLLUTION CONTROL SYSTEMS

Known for its trouble free operation and best efficiency, SAKA's pollution control systems helps you to stay well within every pollution control norm.

- > Zero Discharge Systems
- > Exhaust Gas Filtration Systems
- > Cyclone Separators
- > Incinerators



GRANULATION SYSTEMS

With a deep understanding of technology and processes, our granulation systems are designed to meet your specific requirements.

- > Calcium Chloride
- > Magnesium Chloride
- > Calcium Granulators



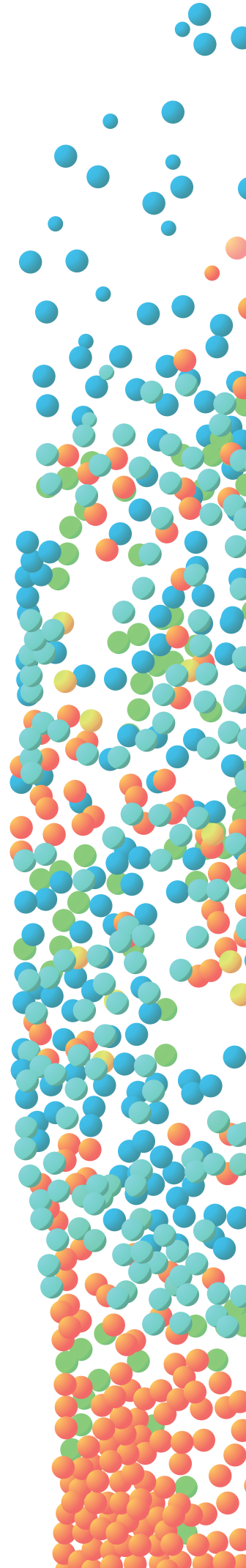
AIR, LIQUID AND SOLID HANDLING

SAKA also offer wide range of solutions for air, liquid and solid powder handling requirements.

- > Mixers & Blenders
- > Rotary Disc Atomizers
- > Heat Exchangers/Recovery Systems
- > Centrifugal Fans/Blowers

KEY PROJECTS

- > Largest precipitated silica plant with a capacity of 120 TPD
- > Biggest spray granulation plant with a capacity of 100 TPD
- > Designed, manufactured and commissioned India's largest plant for H Acid
- > Multiple installations of ZLD plants with capacity up to 300 TPD
- > Achieved 98% solvent recovery from
close loop spray drying plant with a capacity of 1 TPD



SAKA Engineering is a leading manufacturer and supplier of industrial drying and evaporation technology, Granulation plants and spray cooling systems. SAKA's technology is recognised in particular for its innovation, high efficiency, most reliable product quality and staying well within the demands of pollution control norms, in numerous drying applications, across diverse industries.

With presence in India and installations across the world, SAKA has several firsts to its credit including manufacturing of one of the largest spray dryers in India, the largest fluidised bed dryer in India and being one of the few companies to develop and deliver technology for complete Granulation plants.

KEY CLIENTS



Deepak Nitrite Limited

Abellon CleanEnergy



CHEM
Process Systems



India Pesticides Limited

Travancore-Cochin
Chemicals Ltd.



JOHNSON

asianpaints



MADHU SILICA

Coromandel



SAPEC
AGRO PORTUGAL



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