



## SPAREN ChemSPEC Solutions (OPC) Pvt. Ltd.

### Sustainable Process and Energy Creative Solutions

Transforming the Industry of Tomorrow

#### About Us

We specialize in making your chemical plants including dairy energy efficient and environment friendly. Our innovative solutions help you achieve business sustainability while staying ahead of the market with the help of latest process technologies.

#### Motivation

**Our mission** is to revolutionize the milk processing industry by implementing sustainable, energy-efficient modifications. By reducing energy consumption and enhancing productivity, we help create a greener future for all.

### We offer modification in Milk Processing Plant

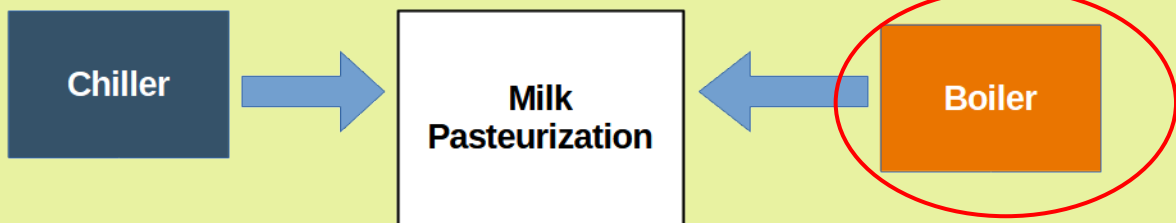


High efficiency  
Low pollution  
Energy saving  
Cost saving  
Increasing profitability



## Why are modification required?

- Old design
- High fuel burning
- Heavy cost of fuel
- High emissions



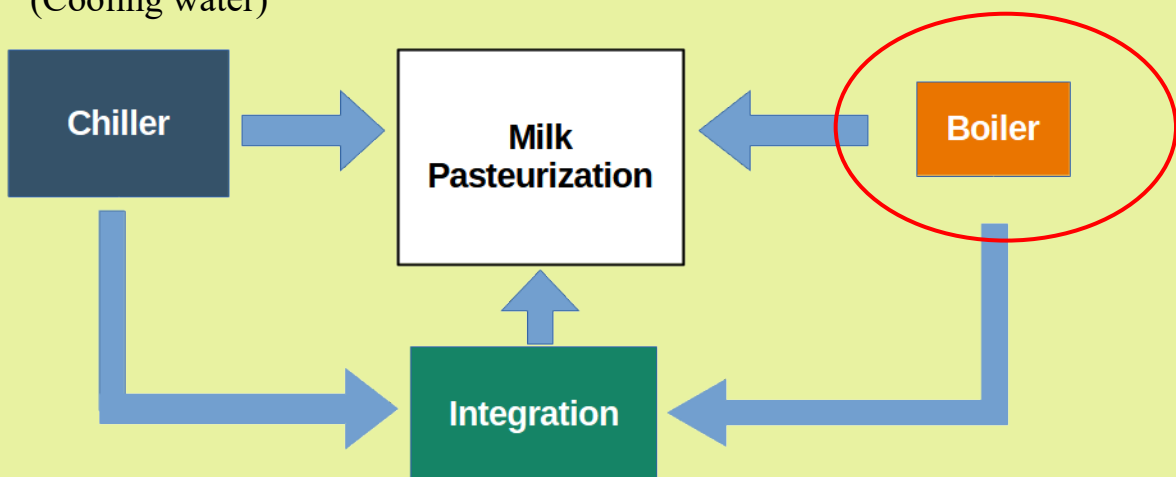
## Partial Integration

### Chiller

- Heat utilization
- Less cooling required (Cooling water)

### Boiler

- Reduced fuel demand
- Cost saving



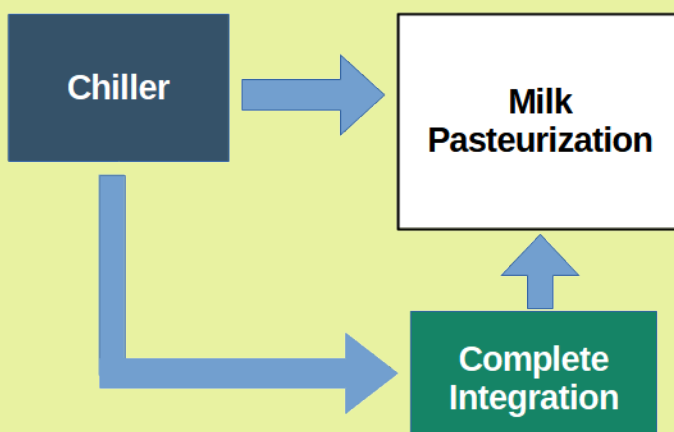
## Complete Integration

### Chiller

- Heat utilization
- Less cooling water

### No Boiler

**Additional compressor**





## Innovative Approach

- Advanced German Technology
- Application of Modern Designs
- Design Simulation in Software
- Process Control Automation
- Use of Waste Heat
- Combine Separate Modules
- Energy-Efficient Process Designs
- Sustainable and Eco-Friendly Solution

**Steam was used for cooling rice, until steam engine was invented.**

## Procedure

### Process Analysis

We take data of your process to analyze in details.

### Process Optimization

We simulate your process and find optimum solutions tailored specifically to your process.

### Implementation

We accompany you in making your process more efficient, profitable, safe and resilient.

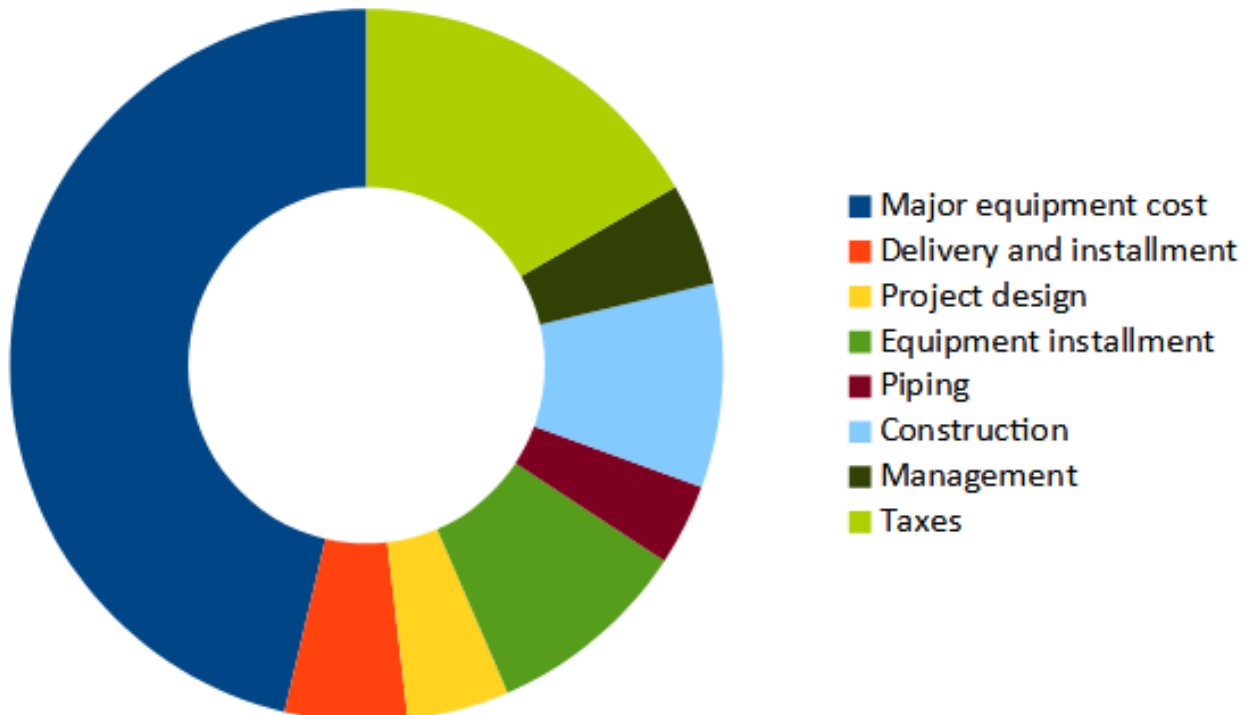
## Modification required

- Compressor
- Heat exchangers
- Piping
- Control valves
- Automation

**Reduce Pollution, Save Planet.**



## Cost



**Payback period = 6 months**

## Contact



**Vishal Sharma**  
**Chief Engineer**

*Process Engineer devoted to sustainable processes*

Experience at *Dornier, BASF* in **Germany**, at *Reliance* in India

Education in M.Sc. at *University of Applied Sciences*

*Bremerhaven, Germany*

B.Tech. at **IIT Guwahati**

**SPAREN ChemSPEC Solutions (OPC) Pvt. Ltd.**

Visit us at: [www.chemspecs.in](http://www.chemspecs.in)

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