

# Optimizing Business Operations



- Solvop is founded by two ERP industry veterans. Milind Khirwadkar and EPPS Infotech headed by Mr. Atul Pimple, Joint MD, EPPS Infotech.
- EPPS Infotech is an ERP software company with 200+ employees, 150+customers, 100+ partners
- Being incubated in EPPS Infotech, Solvop has the advantageous access to EPPS's knowledge and physical resources, which gives it an edge in the market as an industry leader.
- Solvop is focused on bringing ERP add-on products in production planning, inventory management & forecasting services using advanced management science techniques.



## **Our Mission**

To provide simple and cost effective solutions that can aid operations management and supply chain professionals in better decision making.



## **Our Vision**

To become a trusted partner of enterprises enabling them to extract additional value from their ERP investments.



## **Milind Khirwadkar**

Managing Director & Co-founder

Milind Khirwadkar holds a B.Tech. in Electrical Engineering from IIT, Varanasi. Before founding Solvop he spent 35+ years in the industry with a 360° view of the ERP domain-14 years in manufacturing & distribution industry with companies like Tata Steel, Alfa Laval, ITW Signode and Kirloskar Oil Engines followed by 21 years in IT industry with European & US multinationals.

Milind also teaches graduate and undergraduate courses in operations and Supply Chain Modeling.



## **Atul Pimple**

Chairman & Co-founder

A Technocrat with 17+ years of ERP industry experience. Atul, has been instrumental as a co-founder of EPPS Infotech Private Limited. The company has designed and developed a robust ERP solution that drives remarkable efficiency, accuracy and agility.

Atul has completed advance certifications from IIT, Kharagpur and holds a degree in Mechanical Engineering from Sardar Patel College Of Engineering, Mumbai University.

# Our Solutions

## APP (Advance Production Planner)

More throughput with less capacity and manpower

## IOaaS (Inventory Optimization as a Service)

Inventory rationalization - potential savings in operating expenses

## DFaaS (Demand Forecasting as a Service)

Improved forecasting accuracy





# APP (Advance Production Planner)

More throughput with less capacity  
and manpower



# APP (Advance Production Planner )

**Advance planner from Solvop helps you to achieve efficient production planning.**

**APP helps the production planners in predictable & optimal planning**

- APP checks the load on the bottleneck stage and allocates it optimally to individual machines.
- The plans can be made considering the Overall Equipment Efficiency of individual machines at the bottleneck stage.
- It also considers changeover times and cycle times of each part on individual machines while making an optimal bottleneck plan.
- Efficient Short Term Rescheduling
- Respond to situations like machines break down, absent labour, delay in raw material supply on the bottleneck quickly

**Advance Planner Plus also considers stock constraints in addition to capacity and tool constraints**



# How is APP different from an ERP?

Most of the manufacturing companies use some kind of a package or home grown system for production planning. Yet they end up doing lot of work manually and generate gross level plans. Many limitations in the existing ERP systems are the reasons behind this which are successfully overcome by Solvop APP. These are mentioned below:

## 1. Alternate routings

Solvop APP considers all possible routings for the bottleneck and allocates parts to machines automatically. You get a machine loading chart for each day.

## 2. Tool considerations in planning

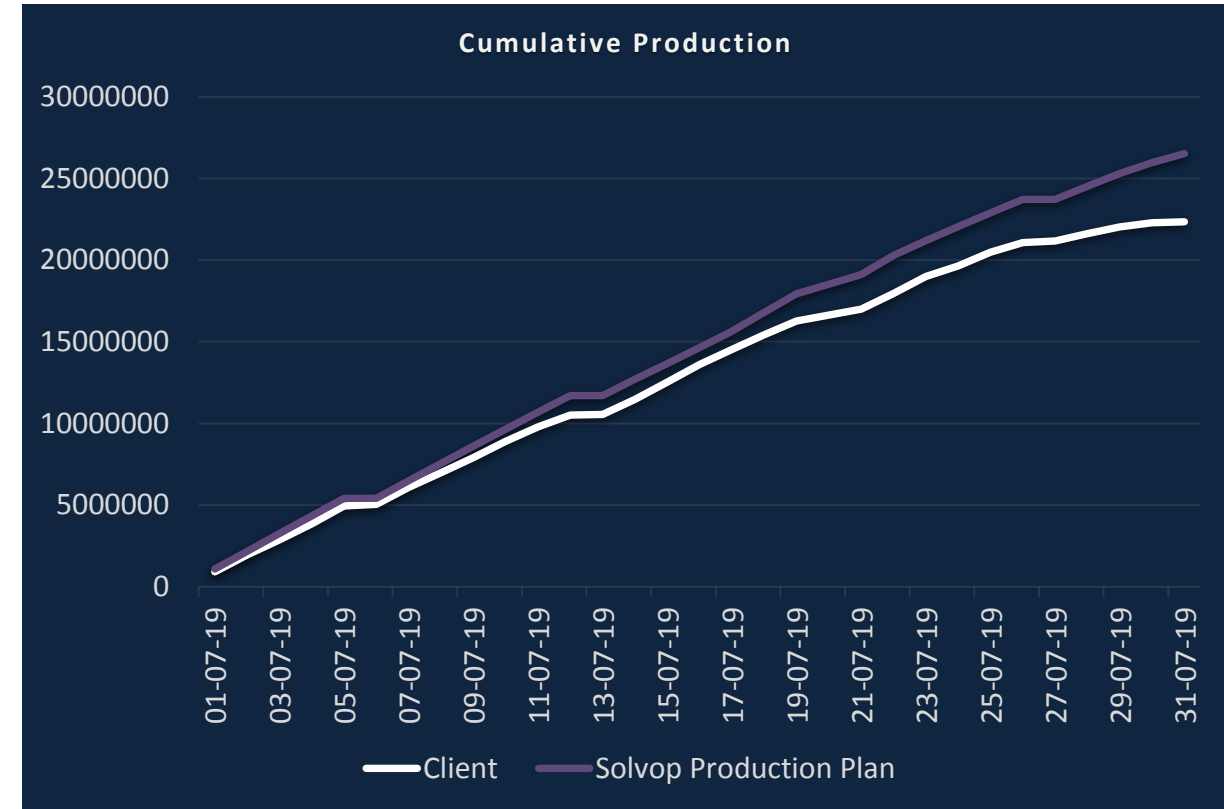
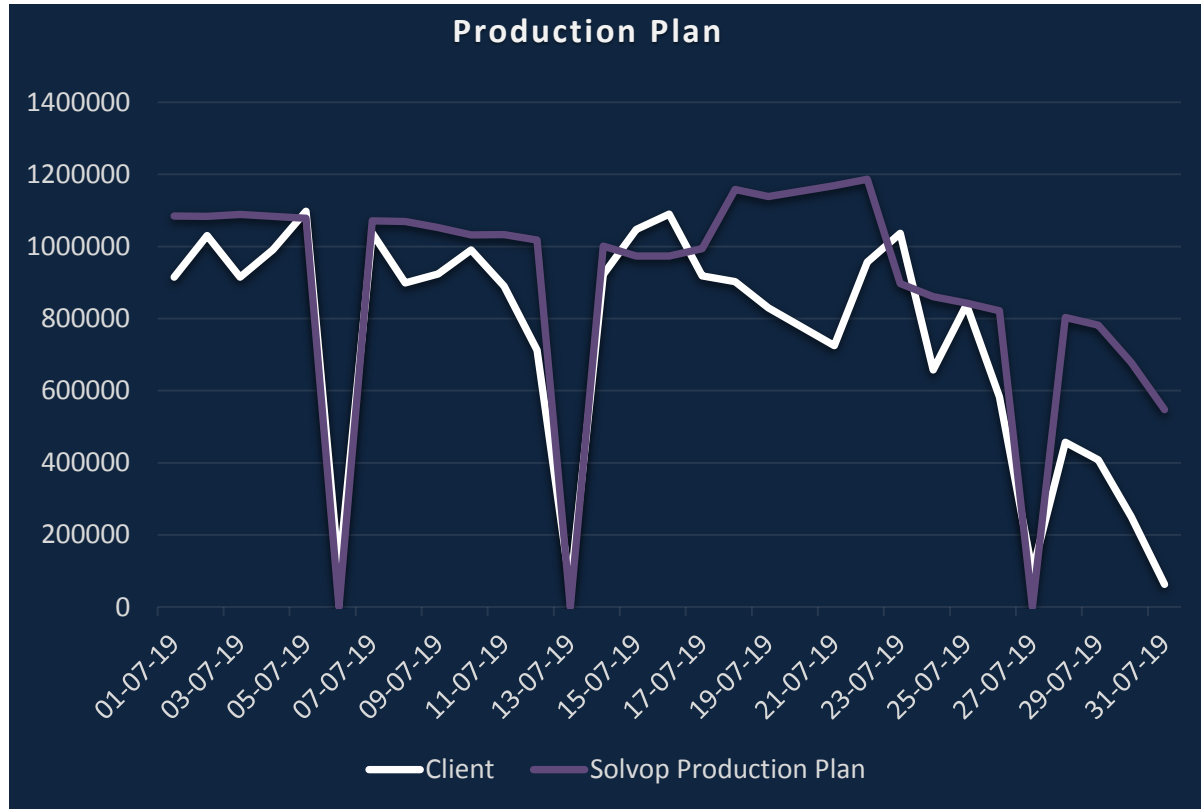
Solvop APP considers availability of tools and their output per cycle based on cavities/family mould while making production plans. Production plans from Advance Planner show tool deployments for each part every day.

## 3. Bottom up planning

An ERP does top down planning from demand to supply. Solvop APP considers both demand and supply constraints while making the bottleneck plan.



# APP- Faster Demand Fulfilment with Optimal Resources



**Throughput Improvement = 19%**  
**Machines Utilized 40 out of total 73**

# IOaaS (Inventory Optimization as a Service)

Inventory rationalization - potential savings  
in operating expenses



# IOaaS (Inventory Optimization as a Service)

- Solvop offers IOaaS to optimize the stocking policies which you maintain in your ERP or spreadsheets.
- Solvop uses powerful simulation techniques on your consumption data to arrive at optimum stocking policies.
- As these policies are rigorously tested on historical data the results are quite predictable and reliable.
- There is no investment in any software. We just check and fine tune your stocking policies periodically using simulation techniques.
- These simple but powerful services can produce amazing results.



# Customer Speaks IOaaS

Due to the implementation of IOaaS, our company was able to capture the benefits in inventory rationalization and improved service levels. The inventory turns improved by about 20% and the service levels also went up to 98% resulting in a total saving of INR 11 million in the last year.

***-A multinational industrial equipment manufacturer***





# DFaaS (Demand Forecasting as a Service)

Improved forecasting accuracy





# DFaaS (Demand Forecasting as a Service)

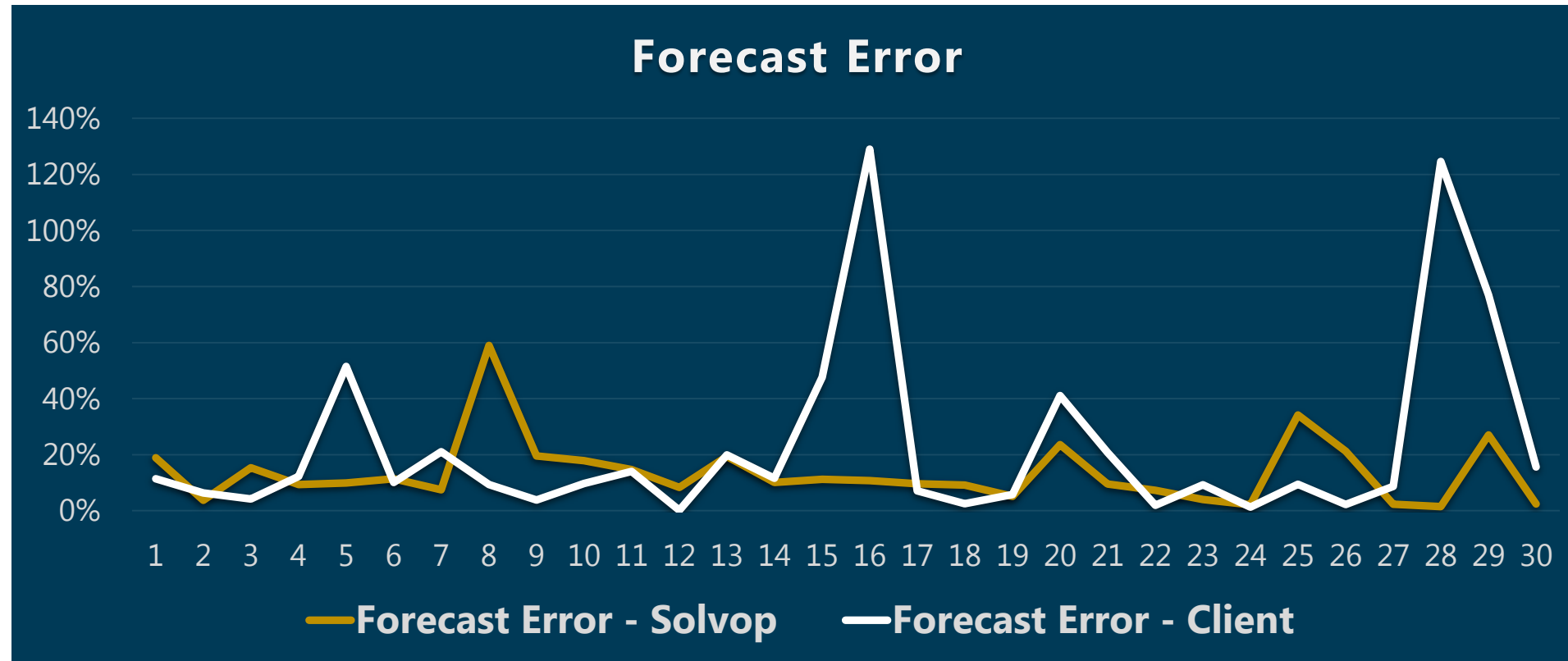
- DFaaS creates significant value for Solvop's customers by providing superior forecasts which serve as the backbone of the planning process. While some understanding of business operations is required to create optimal forecasts, the process is largely data driven.
- DFaaS enables companies to leverage external expertise who have access to sophisticated forecasting methods and optimization tools to develop rigorous forecasts. When a DFaaS provider generates the forecasts, the firm's business leaders and planners are able to focus on their top priority, running the business.

## **DFaaS helps you to:**

- Accelerate time-to-value with consistent, up-to-date forecasting
- Lower investments in sophisticated forecasting tools
- Lower the need for continuously upgrading the knowledge of forecasting techniques
- Enable teams to direct energy towards managing daily business operations
- Enable optimal decisions to ensure better business outcomes
- DFaaS delivery method



## Forecast Accuracy Improvement



**Forecast Error – Client = 23%**

**Forecast Error – Solvop = 14%**



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