



# Facility Design & Layout

**Alpine Supply Chain Solution offers Facility Design & Layout services to ensure a smooth flow of work, material, and information through your facility.**

## Key aspects of our approach include:

- ▶ Current/Future Requirements
- ▶ Data Analysis
- ▶ Safety
- ▶ Flow
- ▶ Space Utilization
- ▶ Productivity
- ▶ Flexibility
- ▶ Scalability
- ▶ AutoCAD

### **1** Current/Future Requirements

We begin the Facility Design & Layout process by studying the design considerations that are critical to your success. We meet with your leadership team and interview your associates to understand your current operation and identify pain points, constraints, and future needs. Understanding what your business will look like in one, three, or five years makes a big difference on your design & layout.

## 2 Data Analysis

An effective design & layout considers all your data, including inbound and outbound shipping, inventory, labor, and material handling data to identify current and future needs. This data analysis informs overall space requirements, storage types, possible automation, dock size, number of dock doors, and many other value-added features.

## 3 Safety

Our design & layout process prioritizes safety. Our goal is to enhance your Associates' work experience. Eliminating blind spots, designing proper aisle widths, planning for travel in straight lines, minimizing the need to bend or turn, incorporating visual management, and identifying pedestrian walkways are all ways that we build safety into your design.

## 4 Flow

We focus on getting your product received into and shipped out of your facility with minimal touches and travel distance. ABC and market basket analyses are methods we employ to enhance flow.

## 5 Space Utilization

Maximizing the amount of product that can be stored within your facility is of the utmost importance. By analyzing product inventory turns, weeks on hand, and receiving shipping patterns (by SKU), we match items to their ideal storage types and ensure you meet your projected inventory needs and budget.

## 6 Productivity

We design our layouts to minimize travel, handling, and non-value-added tasks. Designing around dock doors, staging, storage, MHE parking, and even break rooms, can lead to big productivity increases.



## 7 Flexibility

Your business is always changing so it's important that your layout is flexible and can handle daily, weekly, and monthly fluctuations. Our approach considers product characteristics, peak demand periods, and SKU demand variations when considering storage mediums, beam elevations, and any mechanization.

## 8 Scalability

Future growth is key in our designs. When you grow, we want to ensure that your design is scalable and helps to minimize any interruptions to your operation and infrastructure. As part of our design, we will review what your expansion plan looks like.

## 9 AutoCAD

Alpine utilizes the latest version of AutoCAD to design our layouts. This allows us to quickly develop solutions and review progress with our customers throughout the design phase.