

AUTOMOTIVE SUPPLY CHAIN MANAGEMENT

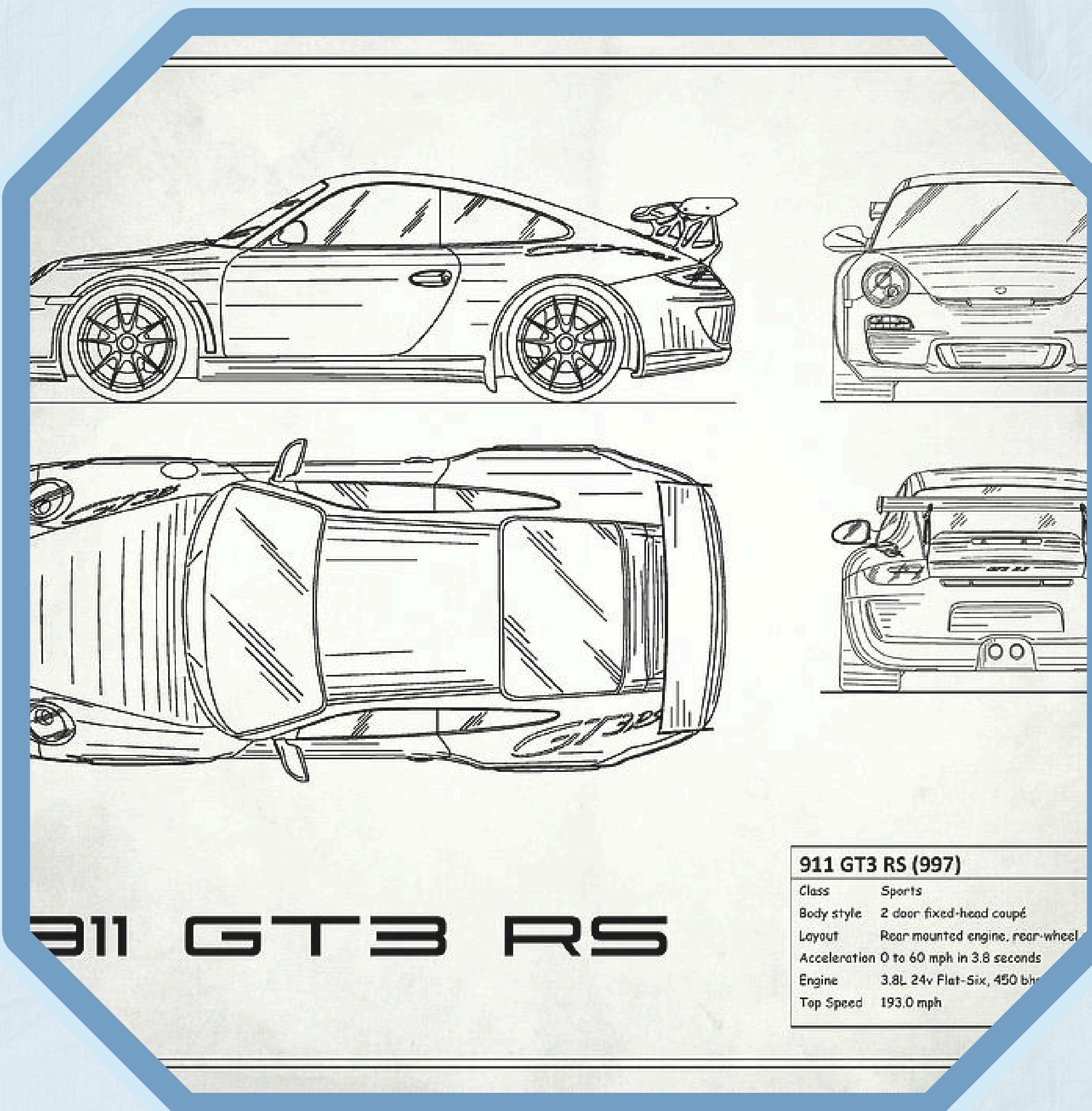
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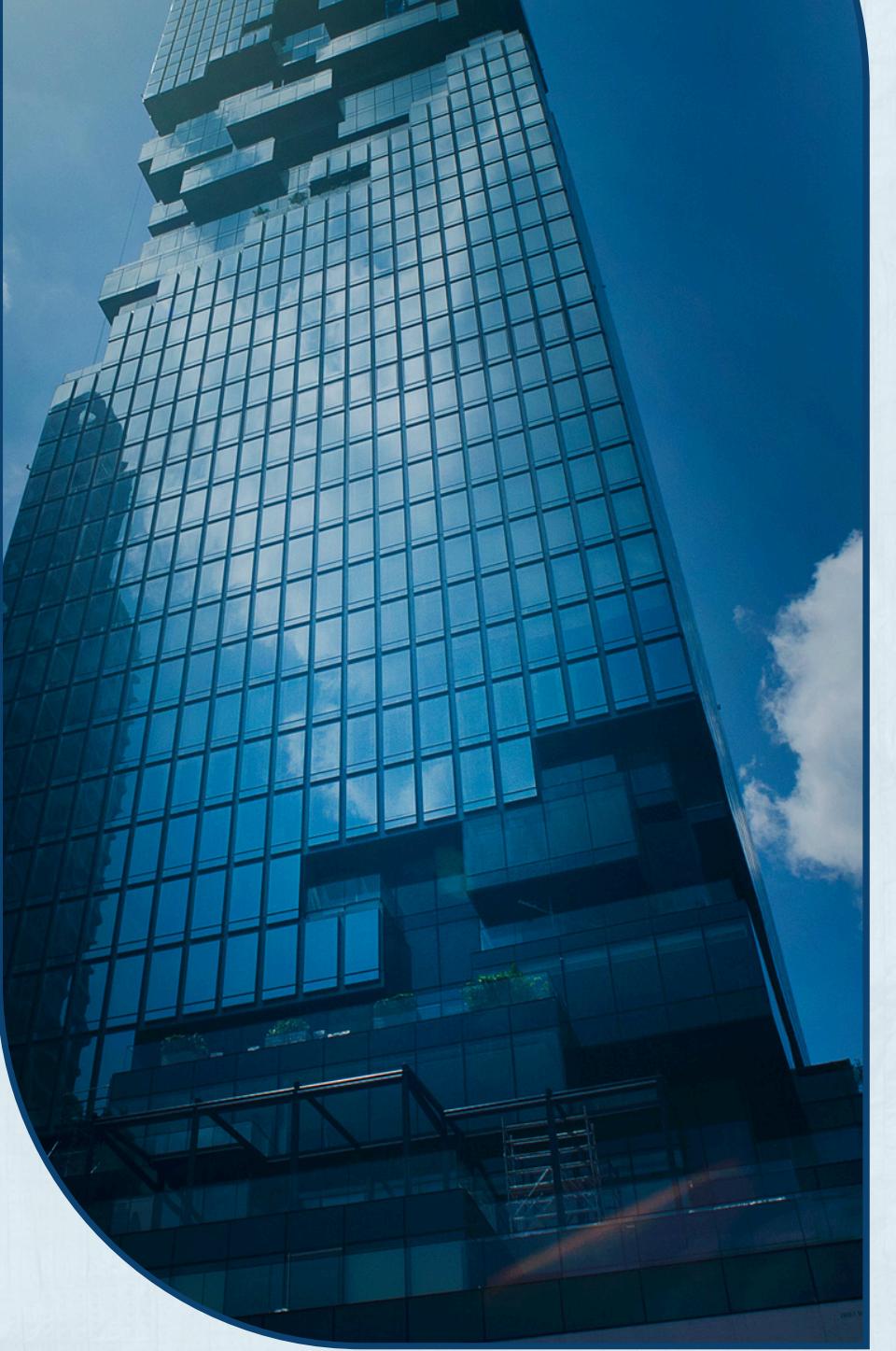


911 GT3 RS (997)

Class	Sports
Body style	2 door fixed-head coupé
Layout	Rear mounted engine, rear-wheel drive
Acceleration	0 to 60 mph in 3.8 seconds
Engine	3.8L 24v Flat-Six, 450 bhp
Top Speed	193.0 mph

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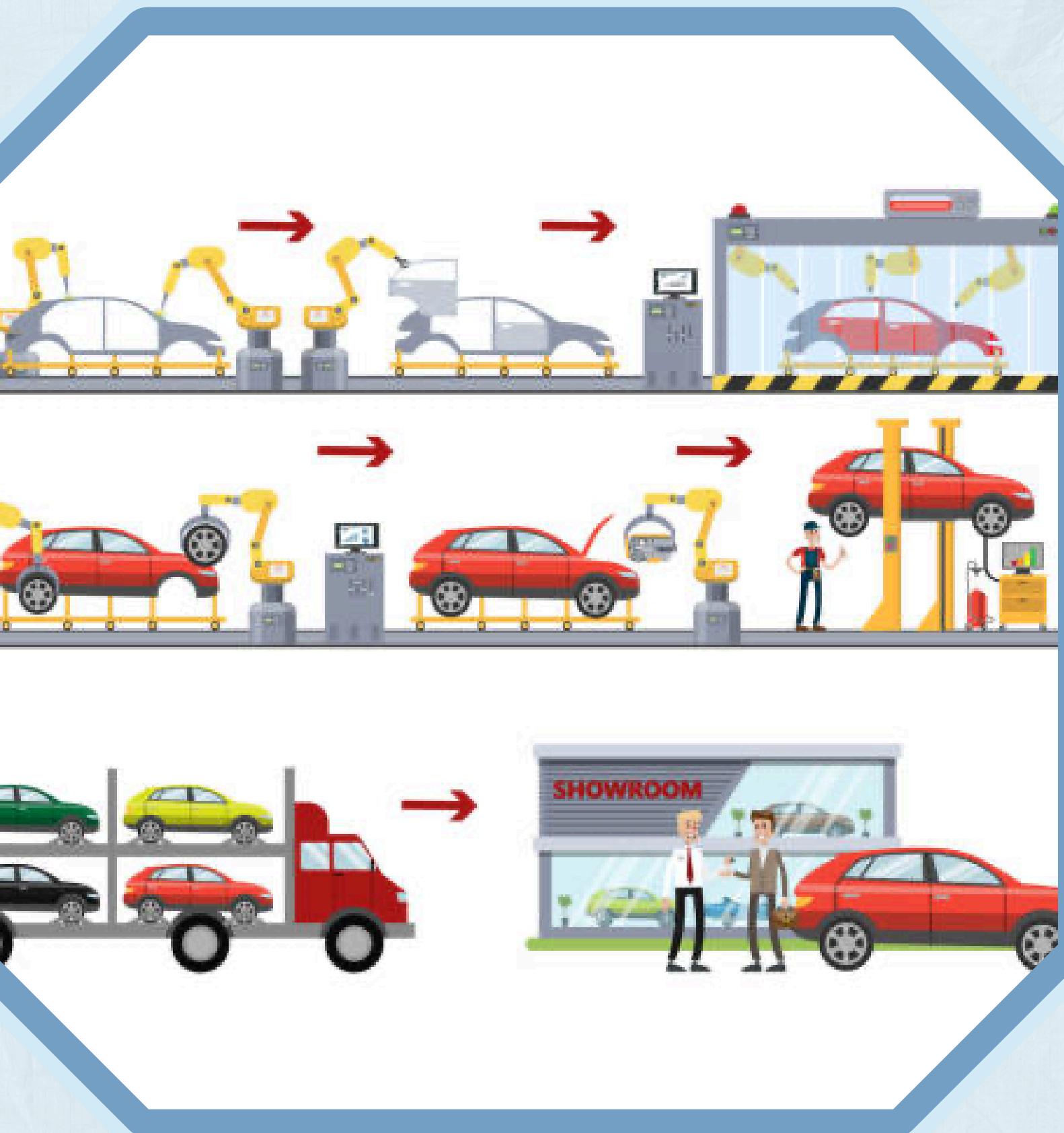


INTRODUCTION

In today's fast-paced automotive industry, large manufacturers face significant challenges in ensuring seamless coordination and transparency across the supply chain. Communication gaps between customers, dealers, and manufacturers often result in delays, mismanaged inventories, and minimal visibility into order statuses. These inefficiencies lead to dissatisfied customers and operational disruptions. Our project addresses these issues by developing a comprehensive digital platform that integrates all stakeholders—from customers to logistics—into a unified system. By leveraging real-time tracking, automation, and collaborative tools, we aim to streamline communication, enhance transparency, and ensure efficient decision-making across the supply chain. This innovative solution not only resolves current pain points but also builds a resilient and agile ecosystem for the future.

OBJECTIVE

The project aims to design and develop a comprehensive digital platform that seamlessly integrates all stakeholders across the automotive supply chain, including customers, dealers, manufacturers, and logistics. It addresses key challenges like communication gaps, demand forecasting, delivery inefficiencies, and transparency issues. This solution ensures real-time visibility, enhances decision-making, and builds a resilient and efficient ecosystem for automotive supply chain management.



ENTERPRISES



Customer Enterprise: Handles vehicle orders and provides customers with real-time tracking of their purchase.



Distributor Enterprise: Ensures efficient distribution of vehicles from manufacturers to dealers.



Dealer Enterprise: Acts as the bridge between customers and manufacturers, managing orders and customer communication.



Manufacturer Enterprise: Oversees production processes, including body shop, painting, technical assembly, and testing.



Logistic Enterprise: Manages delivery and transportation, ensuring timely and efficient shipment of vehicles.

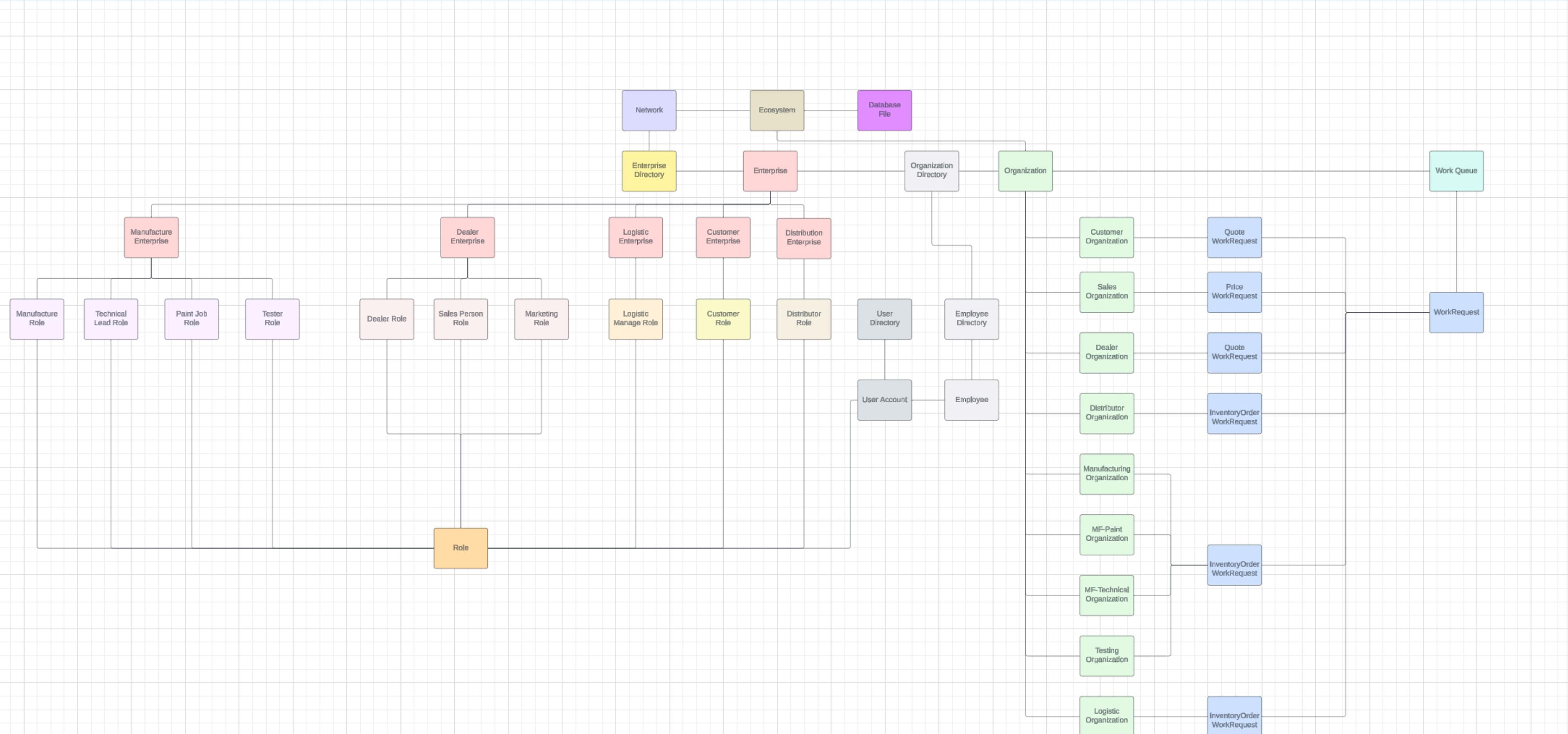
ORGANIZATIONS

- **Customer Enterprise**
 - 1. Customer Organization
- **Distributor Enterprise**
 - 1. Distributor Organization
- **Dealer Enterprise**
 - 1.Sales Organization
 - 2.Dealer Organization
- **Manufacturer Enterprise**
 - 1.Manufacturer Organization
 - 2.Manufacturer(Paint)
 - 3.Manufacturer(Technical)
 - 4.Testing
- **Logistic Enterprise**
 - 1.Logistics Organization

ROLES

- **Customer**
 - 1. Customer role
- **Sales**
 - 1.SalesPerson
 - 2.Marketing Person
- **Distributor**
 - 1. Distributor role
- **Dealer**
 - 1.Dealer role
- **Manufacturer**
 - 1.Manufacturer role
 - 2.Paint Job
 - 3.Technical Job
 - 4.Testing Head
- **Logistic**
 - 1.Logistics Manager

HIGH LEVEL COMPONENT DIAGRAM





THANK
YOU