

MAGENTACORE



HEAVY DUTY TRUCK MANUFACTURING

MAGENTACORE

magentacore.net



What Makes Us Different

Leveraging Data From Various Sources We Architect Solutions Running Qualitative & Quantitative Analytics; To Develop Meaningful Insights

Anti-Fraud Advisory Boutique

We Establish Business Confidence With Fraud-Tracing & Deception Surveillance



Fin-Trade Center

Assessing Business Opportunities From An Investment, Infrastructure, & Market Capitalization Perspective

ESG

ESG As A Profit Center, That Harmonizes Business Productivity With Sustainability; Leveraging Diplomacy, Engagement, Economics, Sustainability & Growth



M-CORE RECON

We Develop Cyber Risk-Management & Strategy-Planning, To Defend Sensitive Data & Digital Assets, With Business Productivity

Heavy Truck Demand Drivers

Heavy-Duty Trucks Play A Crucial Role In Commercial Logistics Markets, & Inter-Modal Transportation Networks, Facilitating:

- Long Distance Freight Transportation
- Facilitating Transport For Mining & Extraction
- Construction Sector Like Cement Trucks
- Transporting Materials Between Sites
- Tractor Trailers Logistics
- Agriculture For Moving Crops & Supplies
- Energy Sector For Transport Of Infrastructure

Road Transport Can Access Multiple Inland Regions, Like Warehouses, Commercial Distribution Centers, & Undeveloped Sites

That Air, Shipping & Rail Can't Due To Costs Or Infrastructure Resources

Fleet Operators Have A "Fleet" Of Vehicles That The Company Owns & Manages, Providing Logistic Services To Business Clients

- **Vehicle Management Services** - Purchasing, Rental, Insurance, etc
- **Maintenance & Surveillance Of Vehicles** - Including Repairs
- **Driver Management** - To Ensure Safety, Efficiency, & Training, etc
- **CAPEX & OPEX Efficiency & Surveillance**
- **Big Data Analytics & Regulatory Compliance**

Independent Operators Are Single Businesses That Facilitate A Service Segment Of The Logistics Market.....Like Repair Or Inventory Suppliers

- Repairing Vehicles
- Providing Vehicle Inventory
- Management Services
- etc

Truck Drivers Training

- Energy Recovery Strategic Driving
- Road Safety Compliance
- Freight Handling At Load/Off-Load Points
- Repair & Recovery Process Training
- Electric Truck Specific Charging Stations
- Weight Load To Terrain Ratios

It Is Crucial For Truck Drivers To Understand The Load & Handling Of Their Truck, Across Various Terrains & Environmental Conditions

As A Truck Getting Stranded Or Damaged Can Cause A Significant Delay

Further, Delays Or Damage To The Freight Can Cause Costly Financial Liabilities For The Company!



Traction Management

If The Vehicle Uses Regenerative Braking Technology, Excess Regenerative Braking Can Risk Abruptly Slowing The Vehicle

This Can Cause Too Much Force Over Roads That Are Slippery, Wet, Icy, etc

If The Wheels Lock, It Can Risk The Vehicle' Skidding Similar To Abruptly Applying The Brakes!

Additionally, Wheels Losing Traction Can Make Steering The Vehicle Challenging, Which Will Increase The Possibility Of Skidding - Placing The Vehicle It's Personnel & Its Cargo At Risk!

Heavy Trucks Market Analysis

Top 5 Countries

- China
- Australia
- India
- USA
- Japan

Market Segments

- Manufacturing
- Construction
- Mining
- eCommerce
- Energy
- etc

GVWR: Gross Vehicle Weight Rating

Cross-Border Trade Alliances & eCommerce Are Driving Business Growth, With Class-8 Trucks Gaining Market Share For Heavy Duty Transportation

- Global Heavy-Duty Truck Market Size ~ US\$-310 Billion - 2024
- Asia Pacific Is Approximately 60% Of Global Market Demand - 2023
- ~4.2% CAGR For 2025-2034
- Commercial Vehicle Market ~2.15% CAGR For 2024-2030
- Projected Market Size For 2034 Over US\$ 450 Billion
- Class-8 Vehicles Facilitate GVWR Of Over 33,000 Pounds
- Heavy Duty Trucks Can Go Over 600hp

"Projected Profit Margins Should Justify Initial Cost Of Acquisition, & Operating Costs Of A Heavy Truck Industrial Park"

Economic Risk Analysis

CAPEX & OPEX Costs Can Offset The Economic Advantages Of A Project

A Hike In Infrastructure Costs - Like Manufactured Goods From Domestic & Foreign Markets; Or Supply-Chain Disruptions Due To Geo-Political Events Or Resource Availability, Can Increase Budget Demands Of The Project

"Trade-Disputes Can Risk Adversely Impacting A Project; If The Project Is Dependent Over Export Markets For Customers, Or Import Markets For Supply Materials"

Cloud Platform & Infrastructure

Cloud Technologies Can Significantly Enhance The Efficiency & Effectiveness Of The Project

- AI
- IoT
- Big-Data
- Automation
- Data-Analytics
- Real-Time Analytics

Mining & Extraction Investment Rationale

- **Strengths** Resource Quantities, Economic Value
- **Weaknesses** Depleting Resources, Initial Capital Investment
- **Opportunities** Technology Advancement, Sustainable Supply-Chains
- **Threats** Environmental Impact, Social Impact For Residents & Businesses

For The Mining & Extraction Project To Be Economically Viable, Sufficient Resource/Minerals Have To Be Located At The Site; With Minerals Meeting Minimum Quality Requirements - "High-Grade"

Logistics Networks That Connect The Mining Site With Strategic Locations, Like Warehouses, Ports, etc Are Core To The Viability Of The Project;



"Quality Compliant Infrastructure & HR Educational Readiness Are Frequent Barriers, When Implementing Mining & Extraction Projects"

Management Requirements

Mining & Extraction Projects Will Require Collaboration From A Host Of Stakeholders.

- Risk Management & Assessment
- BCDR Business Continuity & Disaster Recovery
- Event Response & Recovery Strategy
- Water & Garbage Management
- Climate Fallout & Defensive Policies
- Regulatory Compliance
- HR Management
- Dispute Settlement

Business & Environmental Threats Will Include Equipment Failure, Improper Handling By Employees, Dangerous Chemicals, Weak-Structures, etc

The Negative Impact Of A Mining & Extraction Project Is Not Limited To The Company's Assets; As It Can Impact The Ecosystem, Including Workers, Homes, Businesses, Animals, etc



"The Risk Of Contamination To The Air, Water, Or Region, Due To Improper Disposal Of Garbage"

Economic Impact Assessment

Mining & Extraction Projects Can Significantly Contribute To An Economy Facilitating:

- Fiscal Budget Support Via Taxes & Duties
- Employment Opportunities
- New Markets For Existing Industries & Businesses
- Export Growth

"Growing Demand For Resources From Renewable-Energy, Electric-Vehicles, Smart-Phones, etc"

Environmental Impact

Lack Of Transparency & The Threat Of Fraud Can Offset The Value Of The Mining Project. If The Public Has A Negative View Of The Project & It's Environmental Impact, They Will Oppose With Lawsuits, Protests, Disruptions, & Several More



"Employees Will Demand A Safe & Healthy Environment To Work In. This Will Require Strict Selection Of Quality & Compliance Standards, With Efficient & Effective Implementation"

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THANK YOU

Regards & Stay Safe / Healthy



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