TELEMETRY ANALYTICS:





PRECISION IN MOTION, INSIGHTS IN ACTION

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MECHANISM WORK-FLOW

Data

Processing





GENERATES
RAW DATA



DATA IS COLLECTED
BY CONNECTORS







PROCESSED
DATA IS
STORED
FOR
ANALYSIS

DATA IS
FILTERED AND
AGGREGATED

COLLECTED DATA
IS SENT TO THE
PIPELINE



THE STORED DATA IS ANALYZED TO GENERATE INSIGHTS

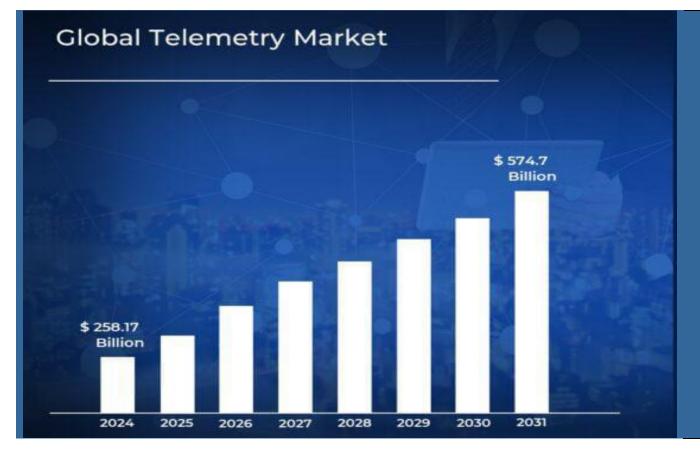


ANALYZED DATA IS PRESENTED TO USER THROUGH DASHBOARDS



MARKET RESEARCH





EXPECTED GROWTH TRENDS OF THE GLOBAL TELEMETRY MARKET

10.52%

2024 - 2031



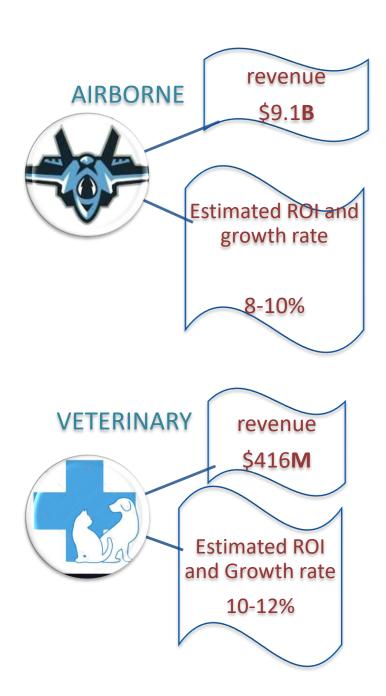
REVENUE AND RETURN ON IVESMENT (ROI) IN THE TELEMETRY MARKET

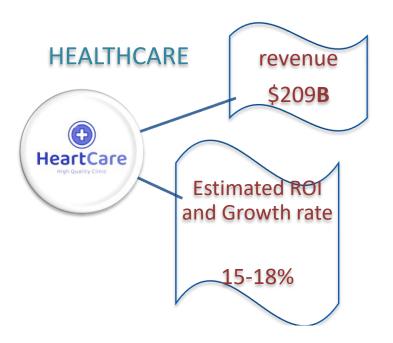
The global telemetry market is analyzed across various sectors, showcasing their respective revenue, ROI and growth rate. Each sector demonstrate unique contributions to the overall market and the sectors are:

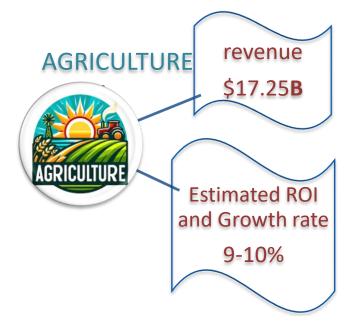
- AIRBORNE
- HEALTHCARE
- DEFENSE

- VETERINARY
- AGRICULTURE
- MARINE

- AUTOMOTIVE
- ENERGY
- TELE-COMMUNICATION









BUSINESS IMPACT WITH DATA ANALYTICS



APPLICATIONS OF DATA ANALYTICS



AEROSPACE & AVIATION



Flight data Monitoring

System

- Flight Management System
- Air Traffic Control System



HEALTHCARE

- Remote Patient Monitoring
- Wearble Health Devices
- Telemedicine Platforms



AGRICULTURE

- Climate and Weather Monitoring
- Livestock Monitoring
- Precision Farming

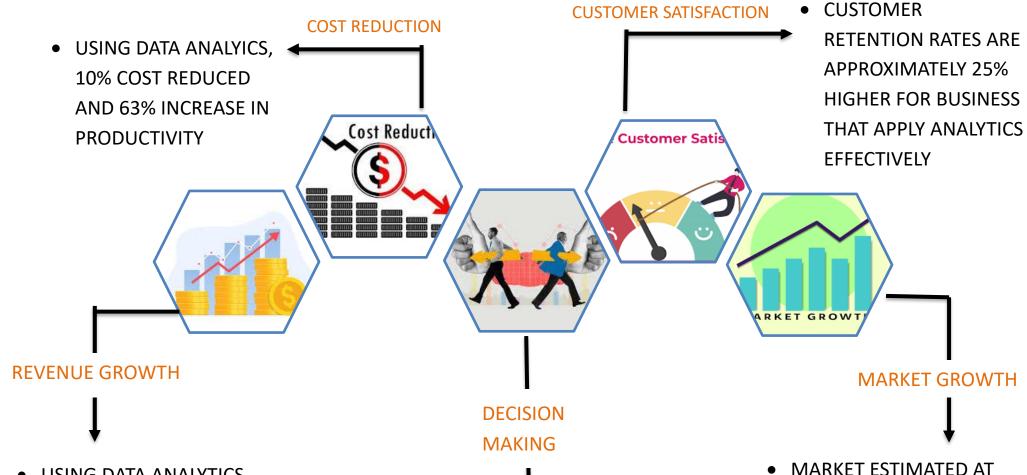


TELECOMMUNICATION

- Satellite Communication
- Signal Monitoring & Optimization
- Fault Detection and Management

• Every step we take in the digital world generates new raw data for organizations to use. But when data is in its raw form, it's hard for companies to gain actionable insights. That's where data analytics comes in

BUSINESS GROWTH – TURNING DATA INTO DOLLAR\$\$



USING DATA ANALYTICS
 REVENUE INCREASED BY 80%
 AND THE PROFIT INCREASED
 BY 8%

 COMPANIES THAT USE REAL-TIME TELEMETRY ANALYTICS IMPROVE THEIR DECISION-MAKING EFFECTIVELY BY UP TO 60% MARKET ESTIMATED AT \$266B IN 2024 EXPECTED TO CONTINUE ITS EXPANSION APPROXIMATELY \$547

TOOLS AND TECHNOLOGIES

 Sensors embedded in machinery, vehicles, animals, and crops capture telemetry data in real time.

IOT SENSORS These technologies
 enable predictive
 maintenance in aviation
 disease forecasting in
 veterinary care,etc...

BIG-DATA
PLATFORMS

TOOLS & TECHNOLOGI ES

AI & MACHINE LEARNING

 Tools like Apache Hadoop, Google BigQuery, and AWS Data Analytics handle vast datasets and derive actionable insights

VISUALIZATION

Platforms such as Tableau,
 Power BI, and Google
 Data Studio help create
 interactive dashboards
 and easy-to-read reports.