

CASE STUDY

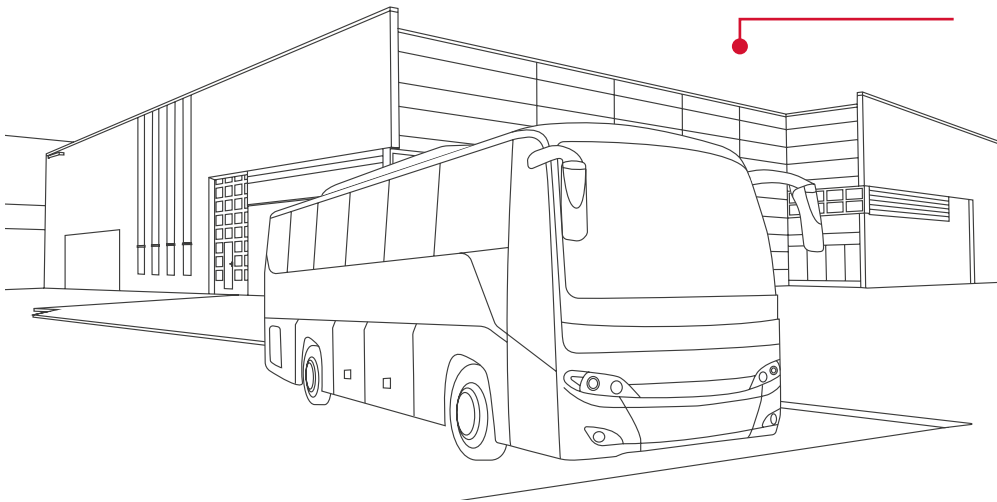
PLANNING OF PRODUCTS, PLANT AND INVESTMENTS FOR A BUS MANUFACTURING

>\$150 mn
INVESTMENT

2,000
UNITS PRODUCTION
CAPACITY

>1,000
EMPLOYEES

400,000 m²
PLANT AREA



SITUATION & APPROACH

- An Arabian public transportation and an investor group wanted to become a bus manufacturer to:
 - Supply their own public transportation fleet
 - To increase value added and industry within own country
- FEV Consulting was asked to support Stage 1 of the venture, i.e. the technical specification of the first bus family and to define the production layout of the bus plant
- Develop the production process, plant layout and define the required investment options

RESULTS AND BENEFITS

- Setup of overall Project Management Office (PMO), project governance and master schedule
- Development of a manufacturing strategy
 - Start of production with an existing bus OEM delivering a partly assembled bus kit
 - Transition plan to become an independent bus OEM
- Technical specification of the first bus model and selection of qualified SKD/CKD partner
- Design of the production process and development of the plant layouts for each production stage (SKD¹, CKD², CBU³)
- Investment Planning for the bus factory and setup of the realization project

¹ SKD = Semi knocked down

² CKD = Completely knocked down

³ CBU = Completely built up



SERVICE LINE:
MANUFACTURING & INVESTMENT PLANNING

FEV
CONSULTING



#INVESTMENT #PLANT #DESIGN #SPECIFICATION #BUS #MANUFACTURING



MANUFACTURING & INVESTMENT PLANNING

FEV Consulting offers extensive industry knowledge and experience to support clients who want to invest in manufacturing processes and facilities for automotive products. We support our clients by developing production and market entry strategies and conducting feasibility studies. Our consultants are able to plan the manufacturing

process in the required level of detail and can manage the implementation project as a central link towards external partners. The unique combination of technical understanding, business and financial know how makes us the perfect partner for OEMs and suppliers, but also for financial related investors.

Dipl.- Wirt.- Ing.

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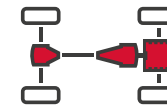
SERVICE LINES OF FEV CONSULTING



Technology
Roadmapping



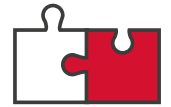
Connected and
Automated Driving



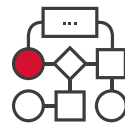
Powertrain
Concept Studies



Modularization
Strategies



Mergers &
Acquisitions



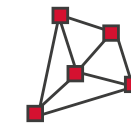
Product Development &
Process Optimization



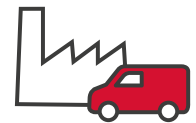
Vehicles &
Lightweight



Smart Cost
Reduction



Manufacturing
4.0



Supply chain
management