Overview about Consulting Services

- Experience profile in general
- Trouble shooting, Adjudication, Expert reports
- Business analysis for Private Equity Companies
- Consulting System Design and Basic Planning
- PM-Training und Ramp-up-Management/Support
- Strategic consulting (Innovations, Business concepts)



V8.2

16.02.2017

We kindly ask for keeping the informations concerning the involved business cases confidential



Overview about experience of Karl-Heinz Dullinger in logistics business areas

Analysis of business units in the field of:

- System suppliers of Material Handling Systems
- System integrators / turnkey business in Material Handling
- Supply Chain Management and production logistics for specific business areas

Areas of experience

Airport logistics (Baggage & Air Cargo) Seaport logistics (Yard operations) Warehouse & Distribution Logistics Production logistics in specific business areas

Supply Chain Management (Inventory Management, etc.) Troubleshooting
Adjudication
Experts report
Strategic
Consulting

Project Management Main contractor business

The focus of the analysis are:

- System Design (Technology, processes, etc.)
- Strategic aspects (business stategy, KPI, etc.)
- Organisational aspects
- Experts reports

Type of clients:

- Logistics service providers
- Material Handling companies
- Private Equity companies
- Manufacturing companies

Project Management Skills:

- Management of large scale projects
- Main contractor projects
- Author of PM manuals
- PM-Training

Trouble shooting, Expert reports, Adjudication





Co author of expert report for court dispute, ADR process





As consultant for Klinkhammer, Nürnberg

In cooperation with Keylog, Paris

In cooperation with Fraunhofer IFF, Magdeburg

Trouble shooting, Expert reports, Adjudication





Logistics Services Consulting and Concepting

System - Analyse
BLG Multi Channel

Statusbericht Lenkungsausschuß

Adjudication for a very complex and large DC (Multi Channel Business)





Version V1.1

Erstellt am 16.12.2014

(Redaktionsschluss am 15.12.2014)



- Deep understanding of logistics processes including the technical aspects
- Experience in handling of projects with the following characteristics:
 - Large complexity
 - Large requirements concerning dynamic/static capacity
 - Many parties involved
 - Large interpendances between building blocks/areas/sectors
- Acceptance of both parties due to:
 - Skills in negotiating (20 years in Executive Management)
 - Large experience in Project Management (see Vita)
 - Widely recognized personality
 - 12 years in board of logistics associations (BVL, DGfL)
 - > 25 years of VDI guideline activities
 - All activities concerning guestspeaker, lecturer and consulting were initiated from outside in the last 6 years. (no promo needed)
- Neutrality

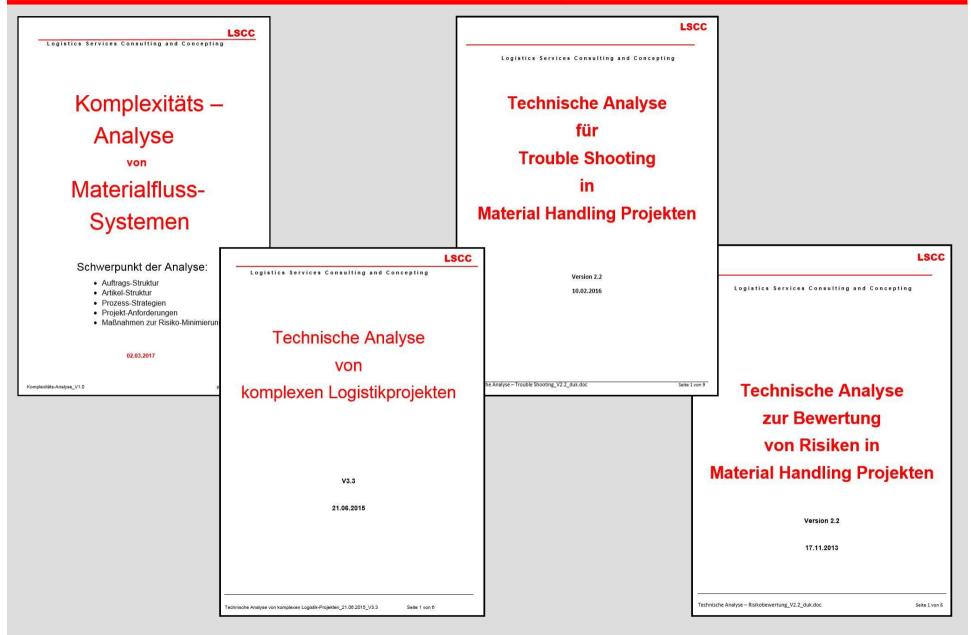
Experience in procedures according DIS (Deutsche Institution für Schiedsgerichtbarkeit)





Tools & methods for Technical Analysis





Business analysis for Private Equity Companies



Listed at Alphasights, London
(Specialist for Experts recruiting
for Private Equity Companies, Financial Institutes, etc.)

Consulting volume for Private Equ. Companies:

- Technical advisor
- Support for Due dilligence process
- Analysis of business strategies, products, sales and operations, service business, R&D, projects, quotations, etc.
- Expert reports



Experience in business analysis due to negotiations and overtaking of companies (at Siemens and at Vanderlande Industries)

Business analysis for Private Equity Companies



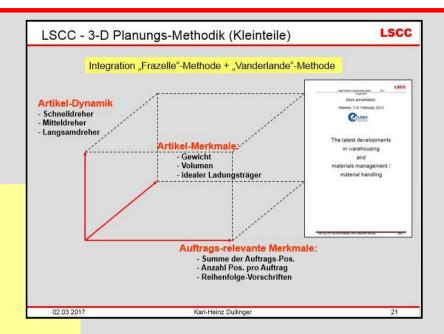
LSCC The focus is Logistics Services Consulting and Concepting solution based business in Material Handling **Business analysis** Check list & Guide LSCC LSCC Logistics Services Consulting and Concepting Logistics Services Consulting and Concepting Inhaltsverzeichnis 5) Risiko-Analyse von Projekten Vorbemerkung Projektauswahl / Stufenweises Vorgehen Markt-Recherche / Markt-Übersicht Vorgehen im Detail Analyse-Fragen / -Themen Kundenprojekte 2.1) Marktbetrachtungen generell Analyse Entwicklungs-Projekten Project ANGEL 2.1.1 Generelles zur Markt-Betrachtung Zusammenfassung der Risiko-Analyse 2.1.2 Baggage Handling (Red Flag-Report) 2.1.3 Parcel & Flats 29.10.2016 2.1.4 Warehouse & Distribution Zusammenfassung der gesamten "Technischen Analyse" 2.2) Market Mapping (Management Summary) Geschäftsfeld-Analyse Vorbemerkung Generelles Vorgehen bei der Analyse Struktur und Zeithorizont der zu untersuchenden Geschäftsstruktur / Geschäftsarten / Strategische Ausrichtung V1.1 Marktstruktur / Wettbewerber / Position im Markt Aufbau- und Ablauf-Organisation / Wertschöpfung im Generellen Produkt- und Systemgeschäft / F+E Service-Geschäft Draft version Immaterielles Vermögen (im weitesten Sinne) Kernkompetenzen / USP (Zusammenfassung) 4) Analyse von Produkten / Systemen Generelles Vorgehen

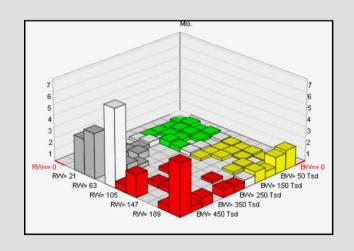
Detail-Analyse (mit Musterbeispiel)



Scope of Supply

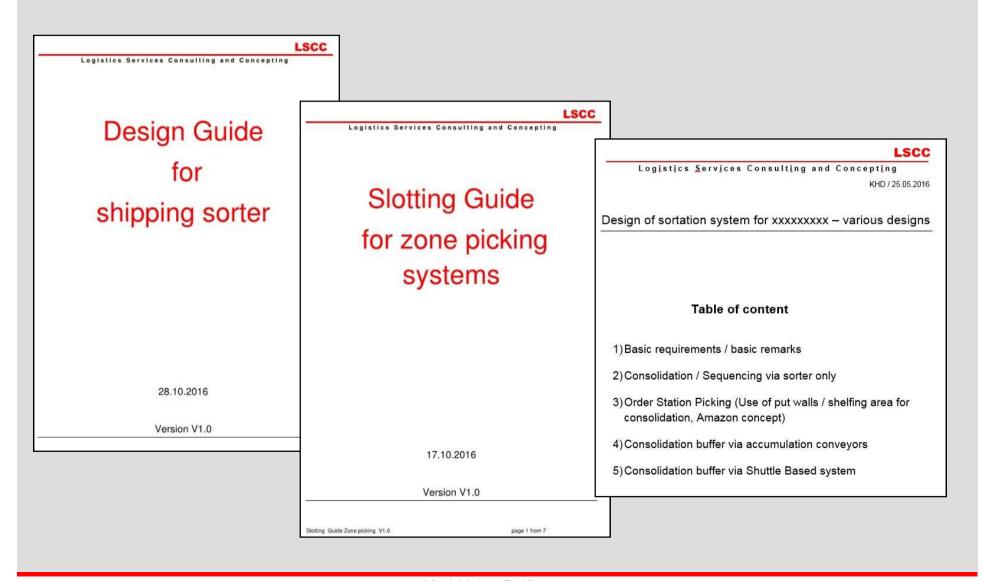
- Analysis of System Design
- Evaluation of System Design:
 - planning principles, basic solutions
 - WMS-functionality, etc.
- Creating sample solutions for comparison
- Analysis of RFQ`s and quotations
- Feasability studies / Basic planning
- Main focus: Material Handling aspects



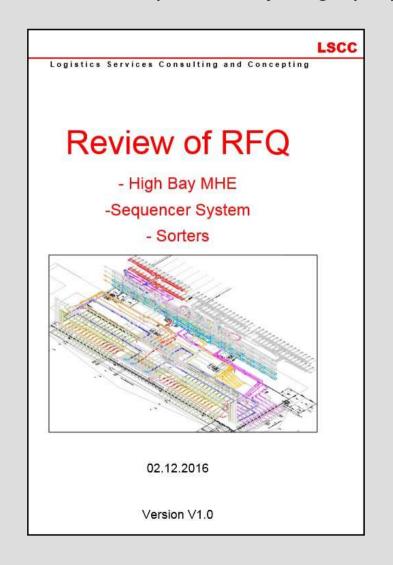


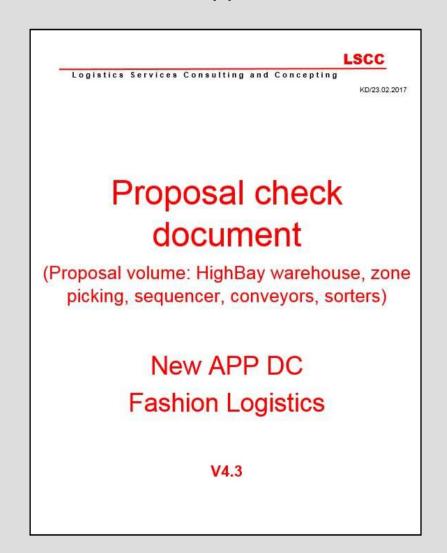


Example: A very large project for footware & apparel



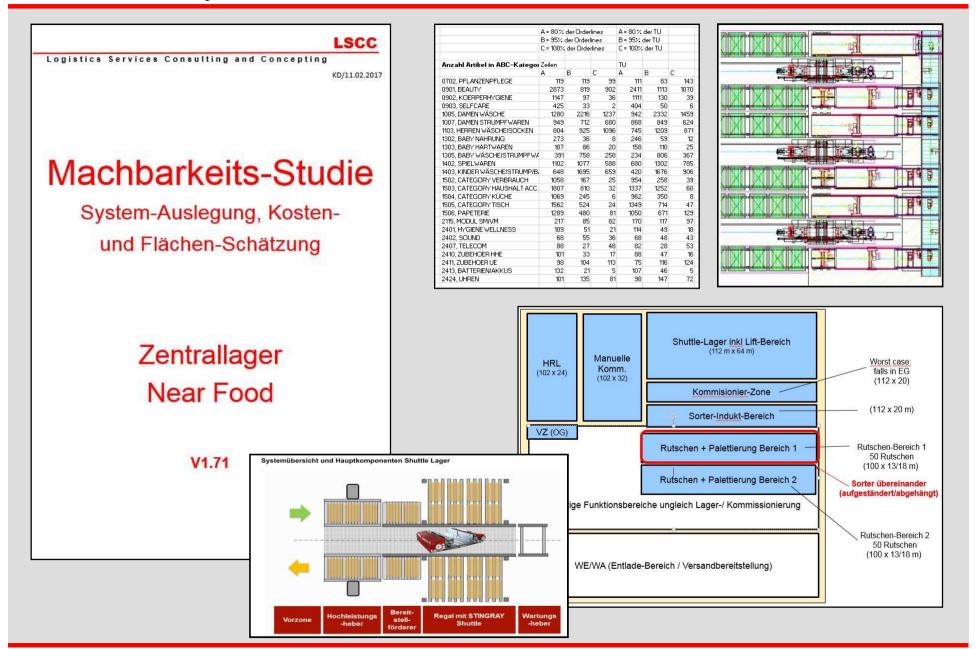
Example: A very large project for footware & apparel





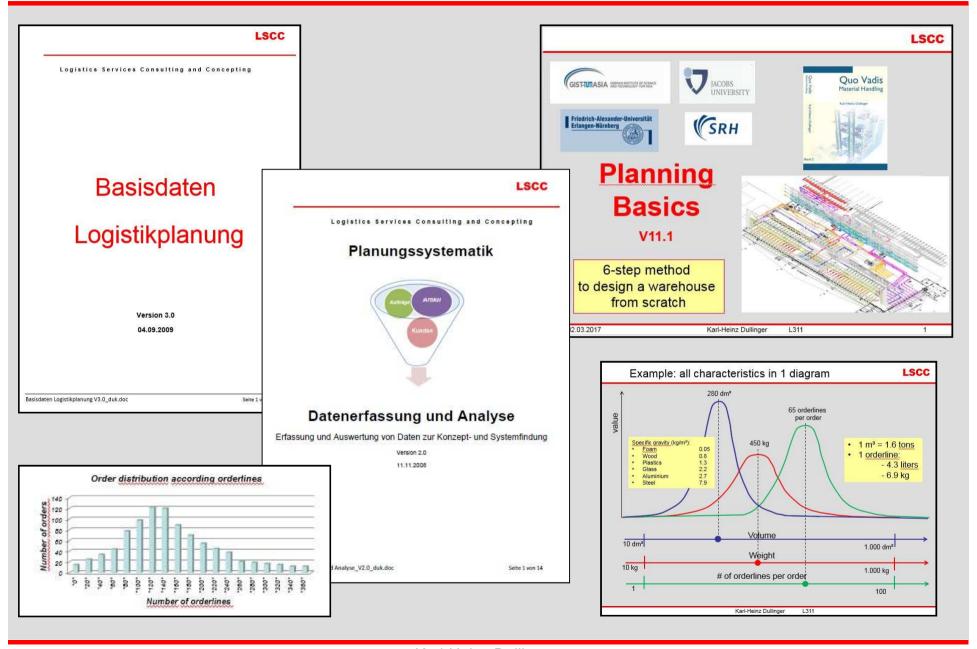
Feasability Studies / Machbarkeits-Studien





Tools & methods for Basic Planning





Project Management

Trainings-Kurs

V2.0

- · Verantwortungs-Umfang eines PM
- Projekt-Phasen und wesentliche zu beachtende Aspekte
- · Multi Projekt Planungs-Tool
- Komplexitäts-Analyse
- · Risk- & Opportunity Management
- Methoden der Risiko-Minimierung
- · Eskalations-Strategien
- Health & Safety





from Vanderland

and Klinkhamn

Ramp up-Management

Warum Anlauf-Management

V 1.2

 Vorgehen und Inhalte (Phasen-Konzept)

6 Erfolgsfaktoren







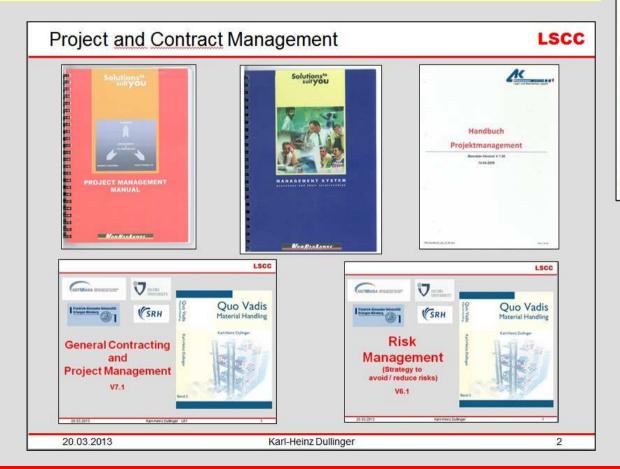




Project Management Experience



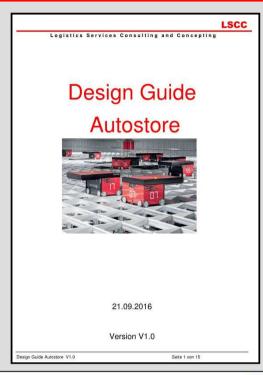
- Project Manager for large scale main contractor projects (Global spare parts Center Daimler Germersheim, etc.)
- Author of manuals for PM
- Training in PM
- Lectures in PM, Contracting and Risk Management





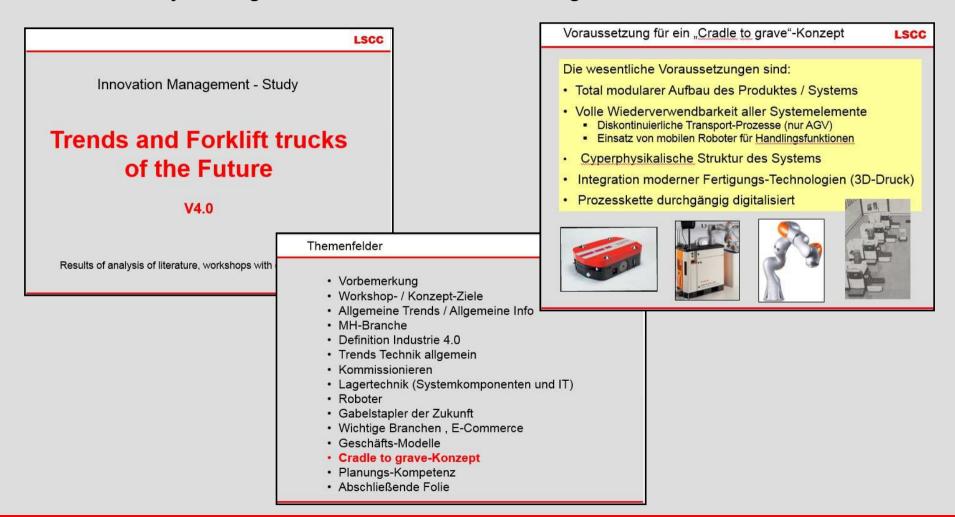
Scope of Supply

- Business analysis concerning logistics strategies
- Main focus: Material Handling aspects
- Innovation Management (examples attached)
- Supporting Top Management with logistics expertise, E-Commerce approach, etc.
- Supporting other consulting companies with logistics expertise





- Analyse über Einsatzmöglichkeit von neuen cyberphysikalischen Ansätzen in den Prozessen
- Analyse bzgl. Gefahr von Game-Changer im Geschäftsmodell





Airports: Amsterdam, Berlin, Bremen, Düsseldorf, Frankfurt, Hamburg, Hannover,

Hongkong, München, Nürnberg, Paris, Stuttgart, Wien, Zürich

Automotive Industry: AUDI, BMW, Continental, Daimler, Denso, Fiat, Ford, Lear, Opel, Schäffler,

Volvo, VW, ZF

CEP-Business: DHL, DPD, FEDEX, Post Austria, Swiss Post, TNT, Transoflex, UPS

Electric / Electronics: ABB, Pepperl & Fuchs, Infineon, Motorola, Siemens

Household: Bauknecht, Rotho, WMF

IT: SAP, Inconso, mSE, TRAXON Fastener /Tools: Förch, Hilti, Hoffmann, Würth,

Machinery, vehicles, airplanes: Airbus, Deutz, KUKA, MAK, TMHE, KION

Meat production: Bell, Egetürk,

Retailer Electronics: Arrow, Future Electronics, Micronica, Sonepar, 20-mobile

Retailer Food/Nonfood: ARGOS, Carrefour, Edeka, Kaufland, Globus, Migros, Müller, WalMart

Retailer E-Commerce/Multi channel: Amazon, Otto, Tchibo,

Retailer Mail order Baur, Klingel, Neckermann, Quelle

Transporting company: Deutsche Bahn, Hapag Lloyd, Lufthansa Cargo, Imperial Group

Textile business / shoes: Gabor, Nike, Rieker

Terminal operators: Cegelec, Eurogate, Jurong Port, Neska, PSA, TRICON

Third party logistics: BLG, Dachser, Dirks, Fiege, Geis, Kühne & Nagel, Schedl, Schäflein, Stute

Pan Asia Logistics,

Logistics consultants: Agiplan, Integral, I & O, ITM, IWL, Keylog, Logplan, Metroplan, Miebach,

Pierau, SIMPLAN

Logistics Research Institutes: Fraunhofer Institutes (IML, IFF, IPA, IFT,), TUM-FML, IRP

Universities FAU Erlangen-Nürnberg, TUM Asia Singapore, Jacobs Bremen, SRH Hamm,

TU Berlin, Magdeburg, Dortmund, Niederrhein

Material Handling Supplier: Alstef, Bito, Beumer, Daifuku, Daihen, Data Logic, Dematic, Grenzebach,

Jungheinrich, Klinkhammer Group, Knapp, Lödige Group, Rober, Schäfer,

Swisslog, TGW, Vanderlande Industries, Vitronic, Witron

Other Business. Datev, Herma, KNO, Ruag, Varta, McKinsey