



Professionalism



Special Technology



KATEC
Korea Advanced Technology

Customer-oriented



ILS



RAM



LSA



IETM



CBT

ONE for ALL, ALL for ONE

KATEC is growing as "one of the ILS leading companies" based on the customer-oriented and innovative entrepreneurial spirit.



CONTENTS



COMPANY INTRODUCTION



A MESSAGE FROM CEO



COMPANY PROFILE



COMPANY HISTORY



ORGANIZATION



VISION



LOCATION

BUSINESS FIELD



BUSINESS OUTLINE



INTEGRATED LOGISTICS SUPPORT



RAM ANALYSIS



LOGISTICS SUPPORT ANALYSIS



TECHNICAL MANUAL DEVELOPMENT



COMPUTER BASED TRAINING



TECHNICAL DATA TRANSLATION

COMPANY INTRODUCTION



A MESSAGE FROM CEO

Welcome!

KATEC, with the everlasting efforts for innovation, will be dedicated to providing the best quality and value to meet our customers' needs.

KATEC is a professional ILS Elements Developer.

Since 2001 when KATEC was established, we have aimed for its professionalism.

KATEC has its own Special Technology and know-Hows.

Innovations for the company's management and Education of Updated skills for our ILS engineering experts in the rapidly changing business circumstances have enabled us to give our customer the best quality service. Meanwhile, this great effort rewarded KATEC with its own special technology and know-hows today.

Customer-Best (or Customer-oriented) Business Management Company

The "Customer-Is-Best" principle has been adopted since the company's start. All of KATEC employees are doing the utmost to make a better quality and service under the motto.

Thank you.



CEO Kim Youngwoon

Customer Needs drive Technology.

In the prompt response of the rapidly changing technology, **KATEC established Vessel FLS(Follow-on Logistics Support) System Institute** to contribute to the robust maintenance systems that our customers require for the items.

Customer-oriented, all our researchers are driving R&D breakthroughs in efficiency and performance. Your rooting for the company will foster better relations between you and us. Thank you.

R&D Director (retired REAR ADMIRAL LH) Ahn Younggil

COMPANY INTRODUCTION



COMPANY PROFILE

KATEC is growing as **"one of the ILS leading companies"** based on the **customer-oriented** and **innovative** entrepreneurial spirit.



COMPANY NAME

KATEC
Korea Advanced Technology

FOUNDATION DATE

13th June, 2001

LOCATION

39 Beotkkotro
Jinhaegu
Changwonsi
Gyeongnam
S. KOREA

COMPANY INTRODUCTION



COMPANY HISTORY

2001

Registered as a collaborative company to Daewoo Shipbuilding & Marine Engineering Co., Ltd., and Samgong Co., Ltd.

2008

Registered as a collaborative company to Daesung Marine Tech, Low Technology Co., Ltd. Samyang Chemical Industry, and Samyang Composite Technology Co., Ltd.

2009

Registered as a collaborative company to Hyundai Heavy Industries, Co., Ltd., Hanjin Heavy Industries, Co., Ltd., and Kangnam Co., Ltd.

2010

Recognized by Korea Industrial Technology Association (KOITA) (2010),
Registered as a collaborative company to Bumhan Industry Co., Ltd., KTE Co., Ltd., Century Co., Ltd.

2011

Registered as a collaborative company to Pyunghwa Engineering Consultants Co., Ltd., Samyoung Logistics & Engineering Technology Service, Hyunkwang Electronics & Telecommunications, Doosan Mottrol Co., Ltd. ,and Mirae Industry Machine Co., Ltd.

◦ Established

◦ Navy Equipment ILS
Project 2006 - 2014

◦ Moved HQ
to the present site

2001

2003

2006

2009

2012

2013

◦ Air Force Equipment
ILS Project 2003 - 2014

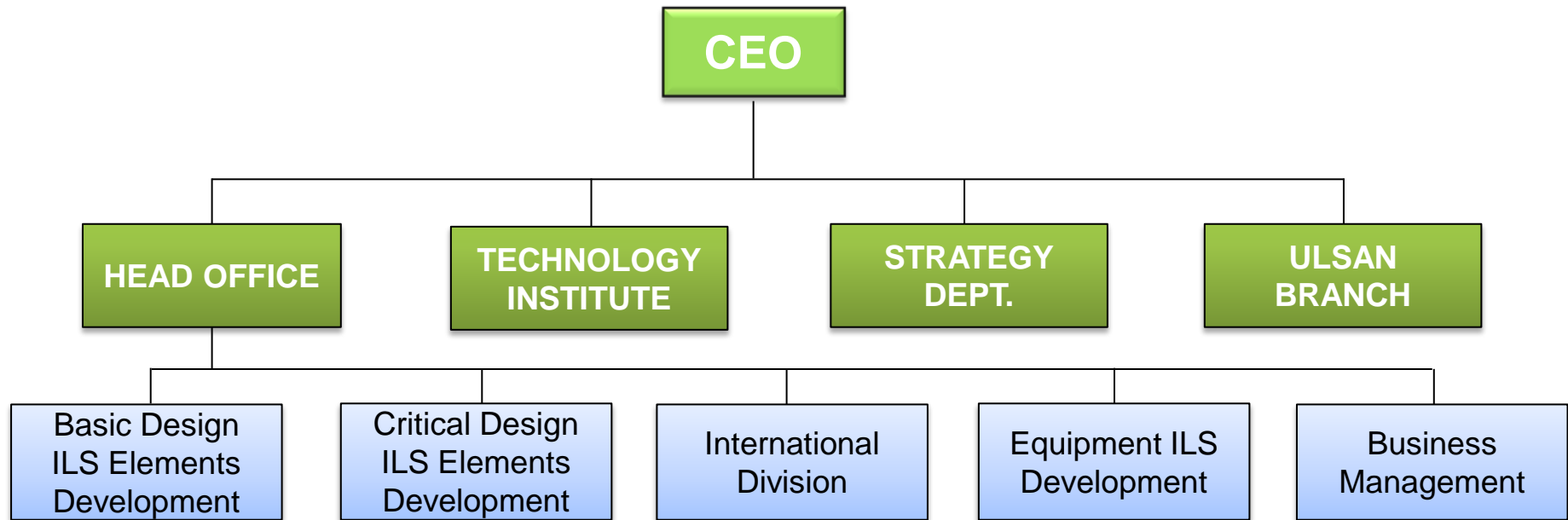
◦ Established
Technology Institute
◦ Naval Vessel ILS
Project 2009-Present

◦ Opened Ulsan Branch
and Jinhae Annex

COMPANY INTRODUCTION



ORGANIZATION



COMPANY INTRODUCTION



VISION



Fulfilling Customer Wants



Providing Reliable Technology



Retaining Responsibility Thru Life



Lead ILS Developer



COMPANY INTRODUCTION



LOCATION



Contact Us

Phone

+82-55-541-3232

Fax

+82-55-541-3231

E-mail

katec.intnl@gmail.com

katec@katec.or.kr

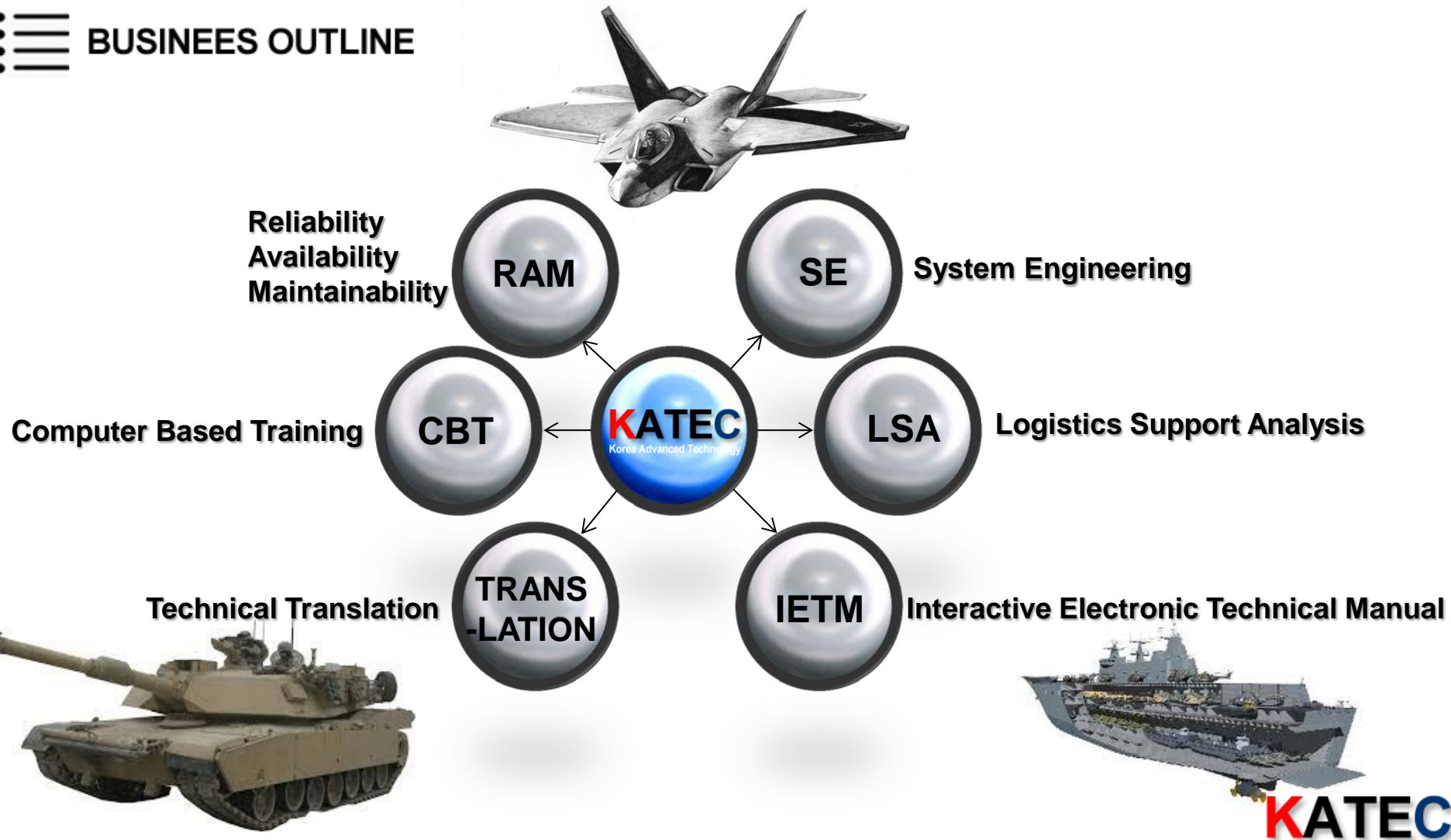
Address

39 Beotkkot-ro
Jinhaegu
Changwonsi
GyeongNam
S. KOREA

BUSINESS FIELD



≡ BUSINESS OUTLINE



BUSINESS FIELD



INTEGRATED LOGISTICS SUPPORT

“**Integrated Logistics Support** is an integrated and iterative process for developing weapon systems and a support strategy that optimizes functional support, leverages existing resources, and guides the system engineering process to quantify, lower life cycle cost and decrease the logistics footprint, making the system easier to support.”

Requirements



Exploratory Development



System Development



Test and Evaluation



Deployment



Requirements

RAM Target
Requirements Study
Research and Preliminary Data Capture

Exploratory Development

RAM Analyses
Reflecting Logistic Supportability on the Design
Providing the basis of LSA

LSA
Failure Modes, Effects, and Criticalities
Reliability Centered Maintenance
Level of Repair
Maintenance Task Analysis
Providing the basis of ILS Elements

Elements Development

System Development

Test and Evaluation

Developmental Test
Operational Test
Elements Development

Deployment

Fielding and Deployment
of the weapon systems
Follow-on Logistic Support

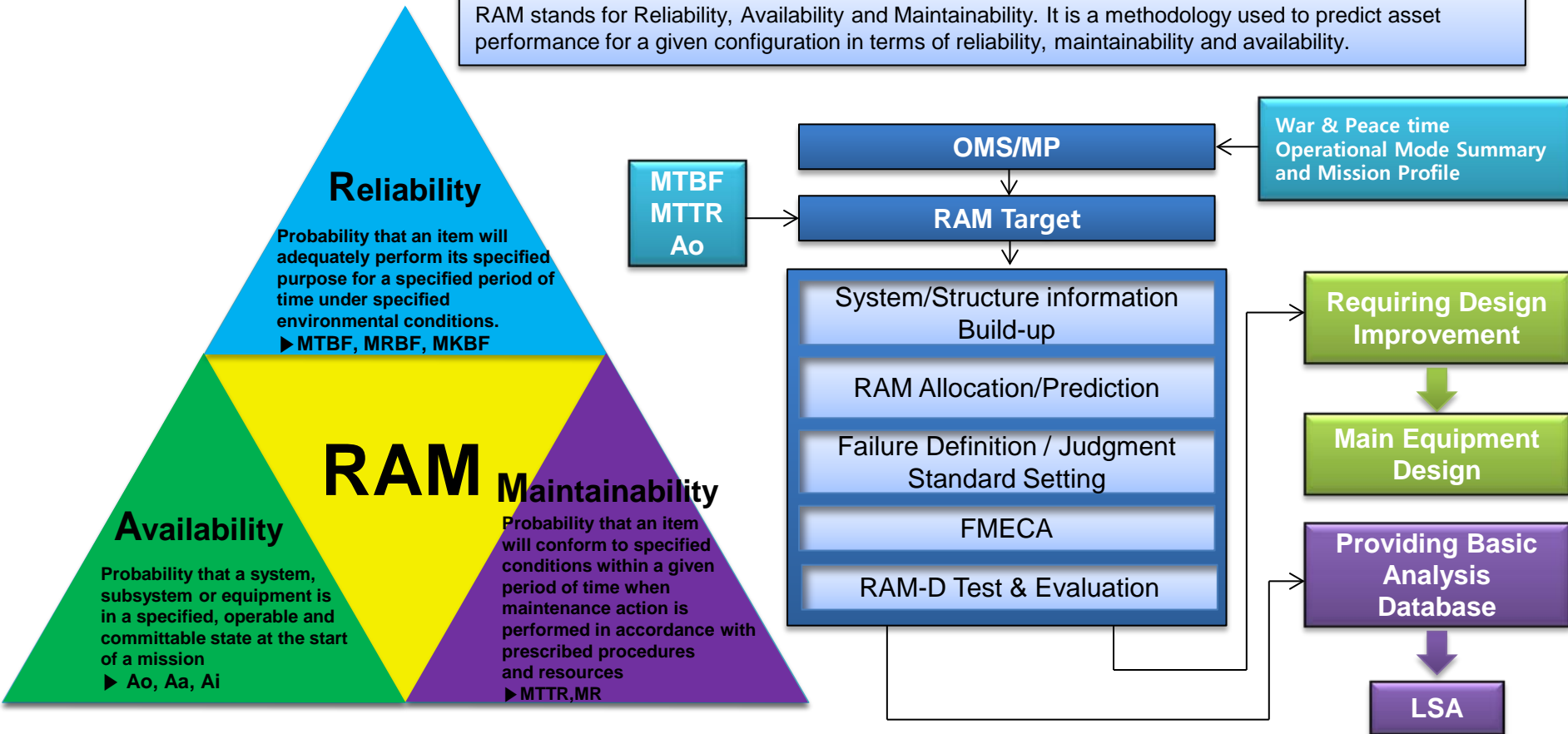
BUSINESS FIELD



RAM ANALYSIS

RAM

RAM stands for Reliability, Availability and Maintainability. It is a methodology used to predict asset performance for a given configuration in terms of reliability, maintainability and availability.





LOGISTICS SUPPORT ANALYSIS

LSA

LSA (Logistic Support Analysis) is a systematic activity to identify, define, analyze, quantify logistic support elements for naval vessels and weapon systems over the total life cycle.

Effects of LSA

- A. Optimization of Logistic Support Requirements which influences on the Design
- B. Minimizing Downtime (Maximizing Readiness)
- C. Minimizing Operating & Support cost
- D. Simplification of Support System



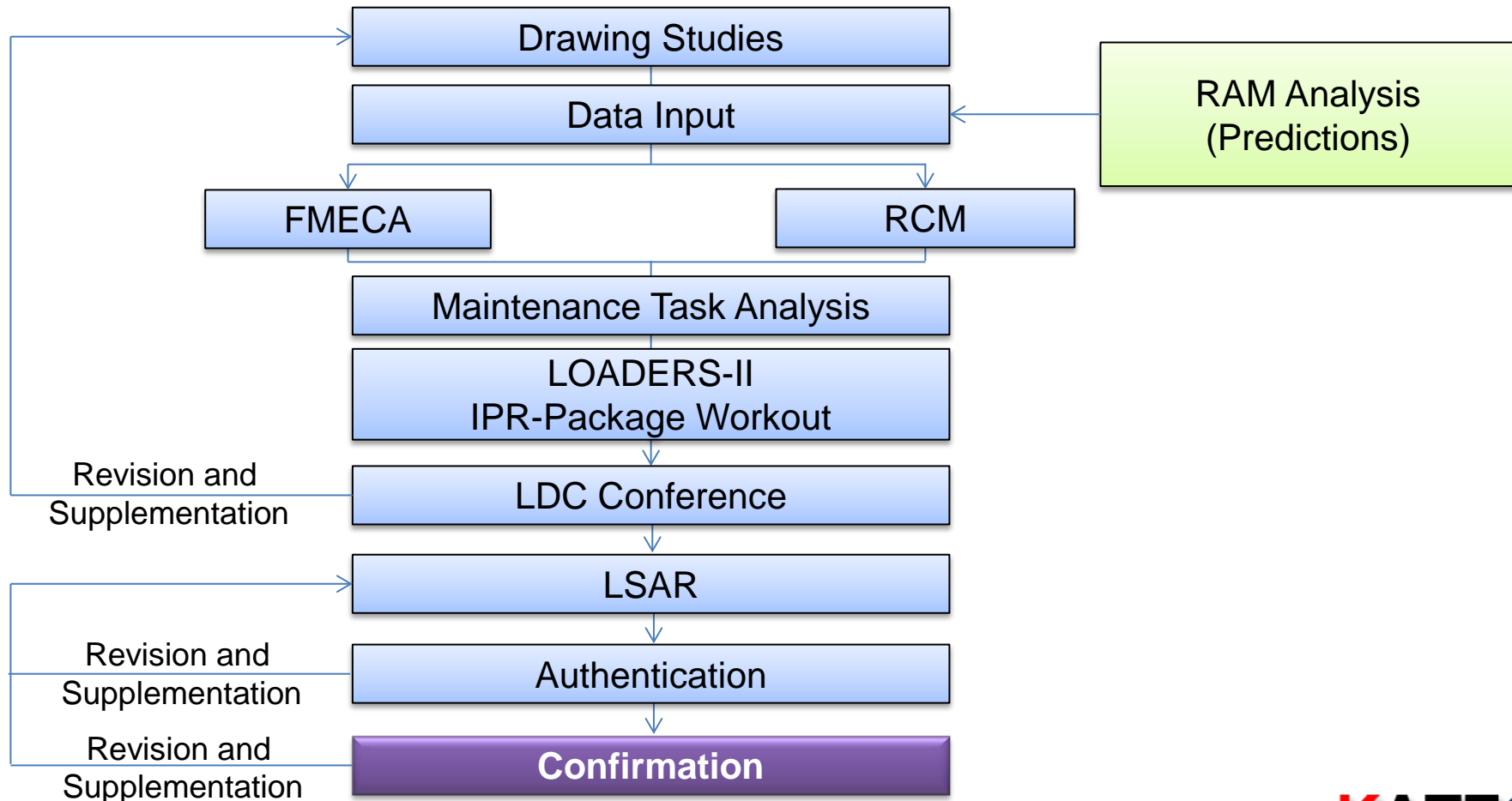
Some parts of Tank





LOGISTICS SUPPORT ANALYSIS

LSA Procedure





TECHNICAL MANUAL DEVELOPMENT

IETM

IETM (Interactive Electronic Technical Manual) is the computerized and synthesized publication which is designed to give the optimum accessibility and readability as to the technical information of a system.

Advantages of IETM

1. Easy to Manage and keep the great amount of technical documents digitalized.
2. Able to use the information more correctly by multi-media.

IETM is categorized in accordance with the TM Defense Specification (KDS-0050-0004-4., on Dec. 13th, 2007).

LEVEL	DESCRIPTION
LEVEL 1	Not Indexed Page Image
LEVEL 2	Indexed Page
LEVEL 3	IETM of Sequential Structure
LEVEL 4	IETM of Hierarchical Structure
LEVEL 5	Integrated Technical Information System

	PAGE	IMAGE	SEARCH	HYPER TEXT	SGML ¹⁾	DATA BASE	VOICE MOVIE	MRFA ²⁾
LEVEL 1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEVEL 2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEVEL 3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEVEL 4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LEVEL 5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

1) SGML : Standard Generalized Markup Language

2) MRFA : Multiple Result of Failure Analysis

BUSINESS FIELD



COMPUTER BASED TRAINING

CBT



- We develop and provide the e-Learning CBT materials that are implemented through the computer.
- We develop a creative program which is most cost-effective and time-saving.
- CBT has the features of the ILS field and requirements to supply diverse learning opportunities for a trainee's needs.

Functions Realized

Hyper-link

e-Learning Rate Management

Print Screen

Multimedia

Function of Learning Evaluation

Providing "Help Index"

Search of Terms and
Abbreviations / Acronyms

MAP

BUSINESS FIELD



TECHNICAL DATA TRANSLATION



KATEC will also carry out the various data or document translation such as Manuals, Drawings, Test or Inspection Procedures, Specification or Standards, and the Technical Proposals, etc.

1	Consult	Contact us by phone (+82-55-541-3232) or e-mail (katec.intnl@gmail.com).
2	Quote	After checking the source documents and the related data, KATEC will email or phone you regarding the translation service cost estimate, required date, and the rate, etc.
3	Translation	Required Precision and Quality will be secured in translating.
4	Proofread	KATEC will send the client the first draft of the translation and check thoroughly if there are unsuitably used terminology, contextual errors and omission, typing errors, etc.
5	Final Delivery	The final draft will be delivered in due time.