IRM as a basis for long range planning and systems coordination

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Purpose:

The intention is to describe an approach used at Philips Elektronikindustrier to combine the IRM-study with long range planning of Administration Development

Summary:

Presentation and discussion of methods for systems coordination and planning of AD, based on an information- and systemstructure study carried out in 1986. This study has been the basis for long range planning and development of databases and applications.

Contents:

1. Information and system structure study

- -background
- methodology
- implementation
- results

2. Administration Development Plan

3. Project initialization and planning

4. Findings

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BACKGROUND

* REQUIREMENTS FOR FLEXIBILITY

knowledge of business objects and their relations

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- knowledge of external factors and effects
- flexible information systems
 models and support for simulating and prognoses

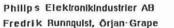
* IRREGULAR AND BADLY COORDINATED ADMINISTRATION DEVELOPMENT

* TASK DISTRIBUTION AND SYSTEMS INTERFACE PROBLEMS

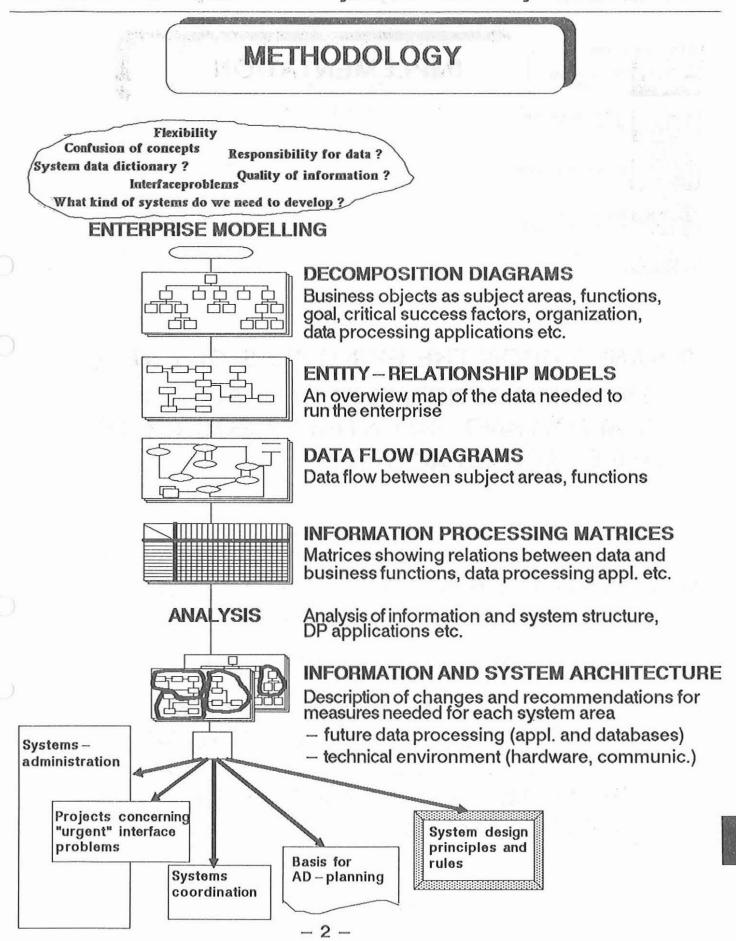
* INFORMATION AND SYSTEMS STRUCTURE

- lack of common concepts
- bad system structure ("bridges", "islands" etc)
- redundancy in information storage and processing
- difficulties to find stored info and to determine quality of information as well as responsible persons.

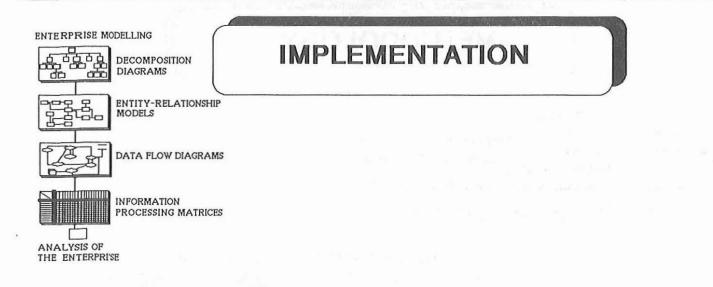
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Information and system structure study



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BASED UPON THE PRINCIPLES OF IRM, ie THE INFORMATION IS REGARDED AS A COMMON AND ESSENTIAL RESOURCE IN THE BUSINESS ACTIVITY.

A DATA – DRIVEN DEVELOPMENT PLAN DERIVES FROM 2 PRINCIPLES:

- START ON A STABLE PLATFORM
- THE INFORMATION REQUIREMENTS, PROCEDURES AND THE ORGANIZATION STRUCTURES CHANGE MORE OFTEN THAN THE DATA STRUCTURES OF THE THE ENTERPRISE

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IMPLEMENTATION

- * THIS WAS REALIZED AS A SEPARATE PROJECT DURING 5 MONTHS
- \bigcirc Steeringgroup: AD-policyboard Project group: 2 pers. Reference group: 11 persons, top and middle management

Representing all business areas and with a good knowledge of current business

Working sessions completed and backed-up "at home"

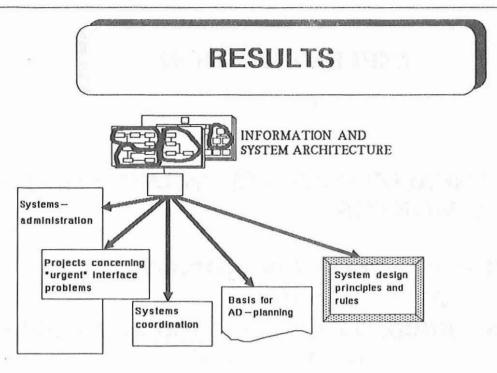
* FOCUSING ON "PRIMARY" AREAS SUCH AS MARKETING/SELLING, DEVELOPMENT, **PRODUCTION, DISTRIBUTION, CUSTOMER** SUPPORT AND THEN MANAGEMENT AND FINANCE

ENTERPRISE MODELS (OWERVIEW)

* USING DRAWING - TOOL AND SINCE 1987 CASE-TOOL

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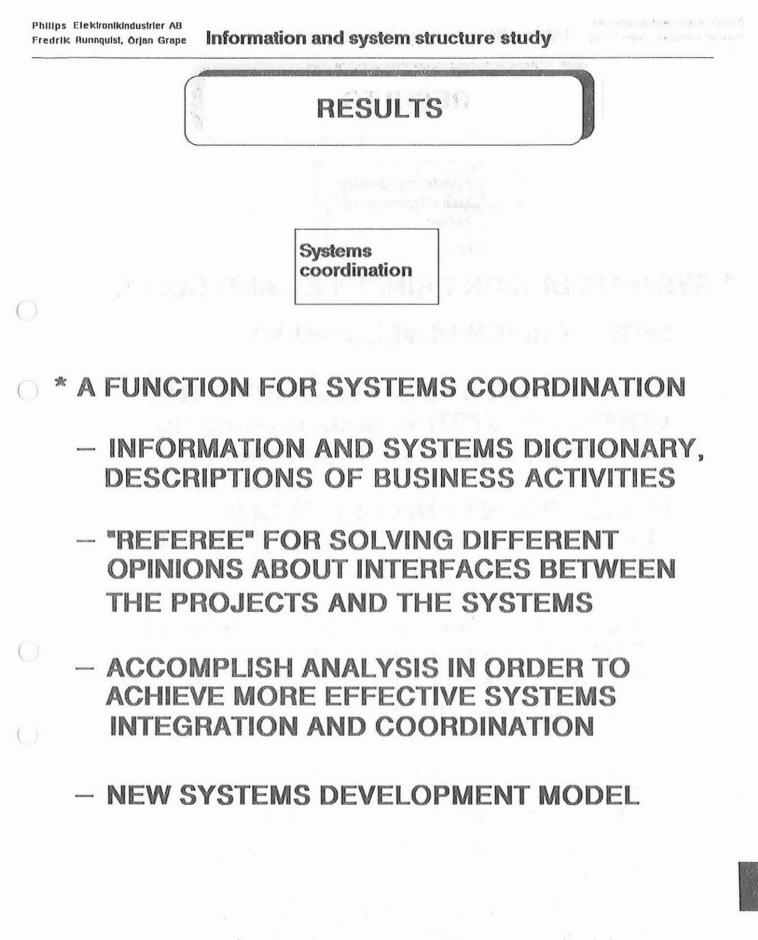
* INCREASED KNOWLEDGE ABOUT BUSINESS OBJECTS AND THEIR RELATIONS

- * CASE TOOL USED FOR DOCUMENTATION
- *** BASIS FOR URGENT ACTIONS**

Basis	for
AD-P	lanning

* SYSTEM AREAS IN NEED OF NEW OR CHANGED DATA PROCESSING

- PROJECT MANAGEMENT
- MARKETING/SELLING ADMINISTRATION
- TECHNICAL ADMINISTRATION
- RESULT CONTROL



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RESULTS Systems design principles and rules

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* SYSTEMS DESIGN PRINCIPLES AND RULES

- DATA DRIVEN DEVELOPMENT
- DEVELOPING AND CONSIDERING THE COMPLETE SYSTEM (data processing, personnel, organization and routines)
- DEVELOPMENT AND LIFE CYCLE TERMINATION FUNCTION BY FUNCTION AND STEP BY STEP
- EFFECTIVE AND HIGH QUALITY DEVELOP MENT, WITH PROTOTYPING AND QUALITY CONTROL AIMED AT "DOING THE RIGHT THING FROM THE START"
- APPLICATION DEVELOPMENT PRINCIPLES:
 - * ONLY 1 TERMINAL OR PC AT EACH DESK
 - * APPOINT FUNCTION RESPONSIBLE FOR DATA
 - * ACQUIRE DATA ONLY ONCE AND AS CLOSE TO SOURCE AS POSSIBLE

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AD-PLAN

COMPANY GOALS

GENERAL:

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PROFITABILITY

NUMBER OF A DESCRIPTION OF

GROWTH VOLUME

PRODUCT - LIFE - CYCLES

ADMINISTRATIVE : LEAD - TIME

EFFICIENCY

ORGANIZATIONAL STRUCTURES Philips Elektronikindustrier AB Fredrik Runnquist, Örjan Grape

AD-PLAN

APPLICATION AREAS

		DIVISION		
		<u>A</u>	В	
赏	SYSTEM STRUCTURE		+ +	
赏	MARKET ADMINISTRATION	ł	╋╋	0
*	PROJECT MANAGEMENT	+ +	╋	0
*	PRODUCT MANAGEMENT	+ +	==	O.
赏	MPS		+ +	
*	LOGISTICS	and the second	=	
×	ECONOMY	+	++	
×	PERSONNEL		Accession in the local sector of the local sec	2.1
赏	OFFICE AUTOMATION	+ +	++	Q
*	INTEGRATION OF TECNICAL AND ADMINISTRATION DP	÷	++	0

+ +: Priority

+ : Priority partly

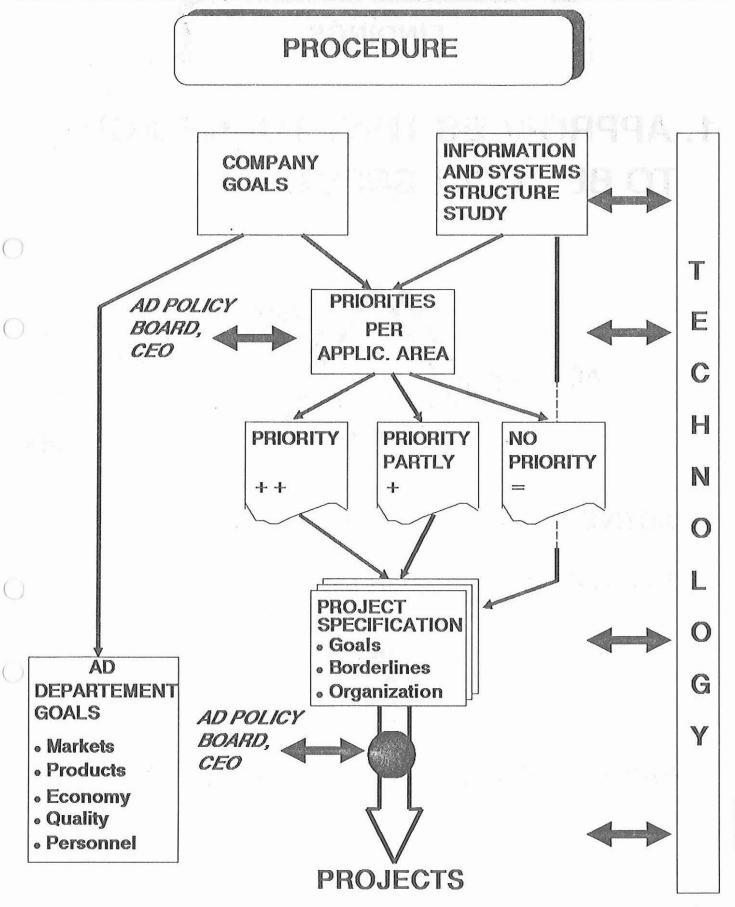
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Project initialization and planning

(A) Construction of the second sec



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FINDINGS

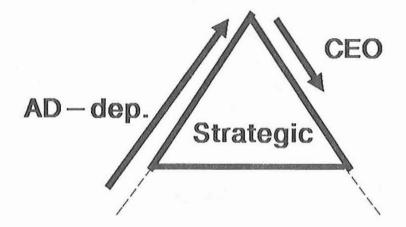
1. APPROACES THAT TURNED OUT TO BE SUCCESSFUL

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- ACTIVE AD - DEPARTEMENT ROLE

– BOTTOM UP AND TOP DOWN



- PAY-OFF CALCULATION AS AN ACTIVE TOOL

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FINDINGS

2. RESULTS

- CONTINUOS PLANNING IN THE BUDGET PROCESS ACCOMPLISHED
- FLEXIBILITY ACHIEVED
- DETAIL DISCUSSIONS VANISHED

3. FUTURE ?

- KEEP IT SIMPLE
- IS SYSTEMS COORDINATION NECESSARY ?