



WONDERMAR Workshop Lisbon 2 October 2003

WONDER
MAR

Welcome



WONDERMAR Workshop Lisbon 2 October 2003

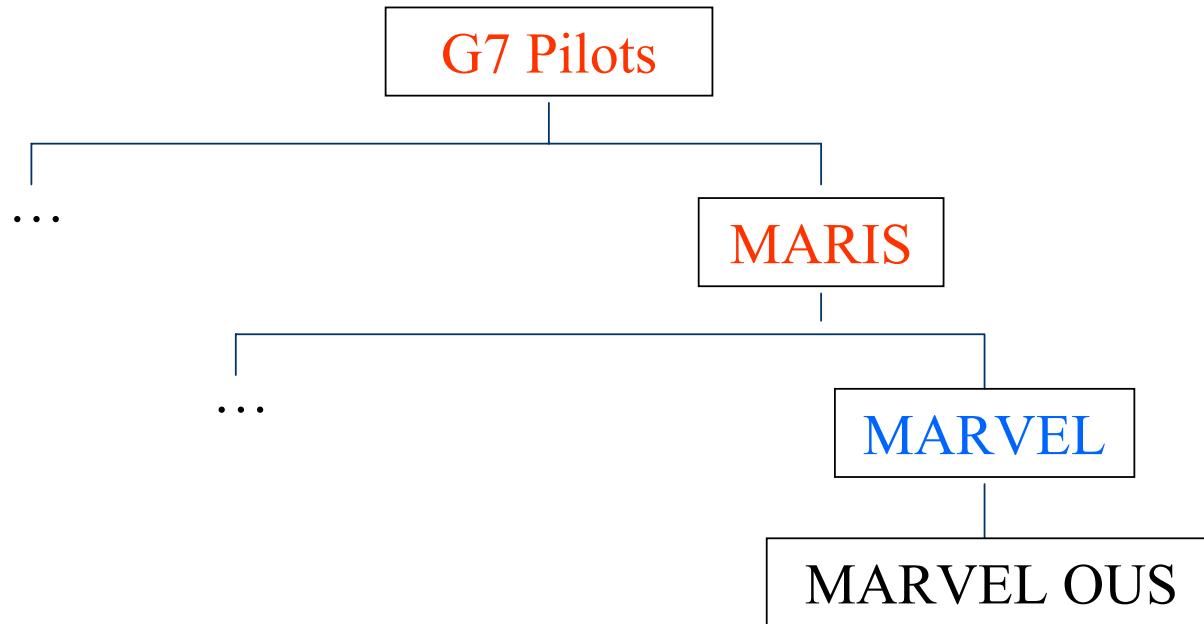
Introduction & Project overview

By Dr Fernando Caldeira-Saraiva
Research Director

British Maritime Technology Ltd

- History
- WONDERMAR II
 - Objectives
 - Working Structure
 - Partners
 - Schedule
 - Website
- Workshops
- Agenda for today





Maritime Industry's Virtual Enterprise Linkage Open User Syndicate

An European User Group Reference Project (EP 20.623)
..... open for global co-operation.

... to identify and harmonise generic requirements for use of advanced IT in manufacturing and engineering and to ensure the feasibility of the requirements and translate them into development projects (IT programme ESPRIT 8-16).



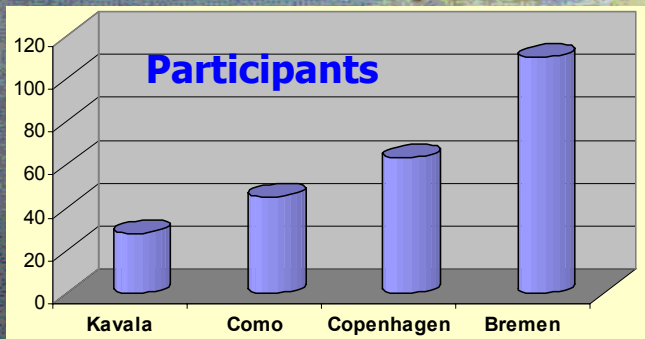
MARVEL OUS partners



History WONDERMAR I

- **Marvelous 1995 - 1997**
- **Esprit Cluster „Maritime Engineering“ 1998**
- **WonderMar I 1999-2000**
(Workshops and Integrated Projects Reporting Days)

- **Information Technology for the European Maritime Industry**
- **Intercompany Communication and Online Transaction Security**
- **eCommerce for the Maritime Industry**
- **Internet based Workflow and eBusiness for Maritime Industries**



● Copenhagen 2000

● Bremen 2000

● Como 1999

● Kavala 1999

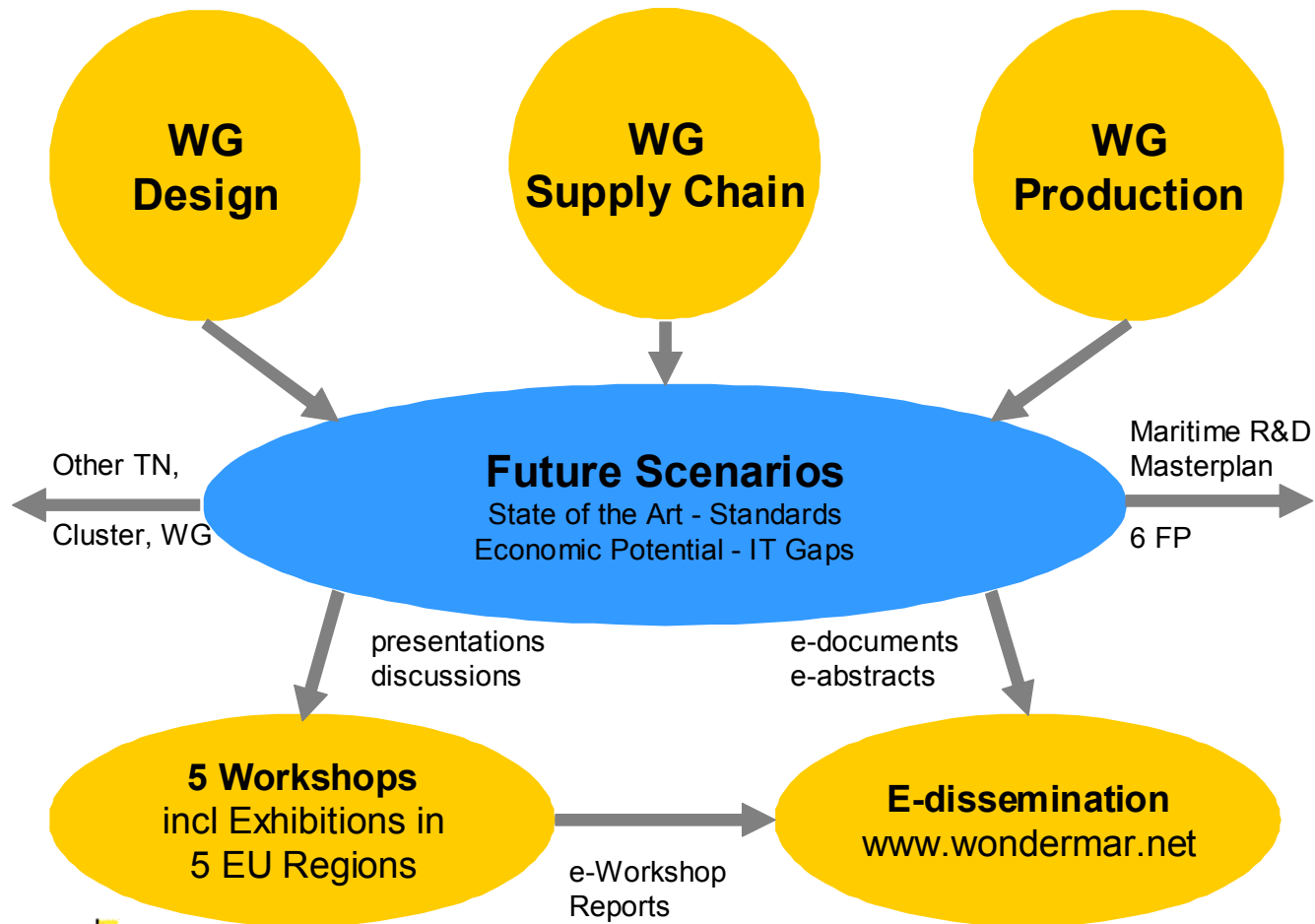


WONDER MAR II Objectives

- Forging of links between project teams, which carry out RTD or take-up activities for a common industry
- Improve the systematic exchange of information
- Discuss technological developments in an internal forum
- Recommend Standards and Protocols for business applications
- **Contribute to the Maritime R&D Masterplan**



WONDER MAR II Working Structure



Company assignment (starting condition)

Editor	Design (PMA)		Production (BMT)		Supply Chain (BAL)	
Shipyards	KWW	GDYNIA	OSS	IZAR	JLM	FC
			KMY	LIS	CA	(RS)
Classification	DNV	GL				
	BV					
System Provider	Sener	NAPA	Tribon	OPI	LMC	Unique
	Cenit					
Other	TIS	IST	TNO		BIBA	
	CTO					



WONDER MAR II Partners

- 30 European Partners from the Maritime European Research Area, 12 European Countries
- 10 Shipyards
- 3 Classification Societies
- 7 Maritime System Providers
- 10 Technical Experts, Consulting, Academia
- Three main editors: BALance, BMT, Principia Marine
- Duration: 10/2001 – 3/2004, Budget: 1.500 k€



Schedule (Overall)

Project Month	1st Year												2nd Year												3rd Year					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
WP 1 WONDERMAR events																														
Public Workshop Gdansk/P					D2																									
Public Workshop Malmoe/S											D4																			
Public Workshop Delft/NL															D5															
Public Workshop Lisboa/P																														
Public Workshop Bremen/D																													D8	
WP 2 Expert groups																														
design support					D3A																								D9A	
manufacturing and assembly					D3B																								D9B	
supply chain and logistics					D3C																								D9C	
Expert Group Meetings	■				■								■				■									■			■	
WP 3 Electronic dissemination																														
build and maintain website			D1																										D10	
WP 4 Co-ordination/ secretary																														
networking, master-editing, administrative management, continuous evaluation																														
Kick-off, project assembly	■				■						■						■						■					■		
Milestones																														



- Basis: Wondermar I webpage
- Content
 - Project goals
 - Partnership
 - Related projects
 - Information about events
 - Project results
 - Internal part, access to project management tool
- Extension
 - To Publish results of D6 as an internet database
 - To Extend number of represented projects
 - Online Discussion Forum



www.wondermar.net

WONDERMAR II

HOME
OBJECTIVES
PROJECTS
PARTNERS
EVENTS
CONTACT
DOWNLOAD
MEMBERS ONLY

WONDERMAR II

Europe's maritime industry appears to be an economic micro cosmos. 120 shipyards and 9000 suppliers are co-operating to produce ships worth 10 Billion Euro a year. **Enhancing the competitiveness of this community of enterprises** can provide for a more sustainable economy by enabling them towards better interoperability in design and that other maritime communities interaction and, in particular, improvements in respect to management by **increased awareness and im**

The first WONDERMAR project (WONDERMAR II (IST-2001-33017 Industries)), strives to improve on **and experience** in the latest technology to the SMEs in five different Europe also help in the **transition of r** operation. Europe's Maritime Indust

Event #1: Public
View invitation to w
Download related do

Visit WONDERMAR I

Copyright © 2001, WONDERMAR II Consortium. All rights reserved.

WONDERMAR II

HOME
OBJECTIVES
PROJECTS
PARTNERS
EVENTS
CONTACT
DOWNLOAD
MEMBERS ONLY

WONDERMAR II

Relevant Projects

The following is a list of projects implementing innovative technology in the maritime industry. Information such as project objectives, description of work, milestones, website, coordinator name and contact information are presented.

List Of Projects

- DISCOMP
Improvement of Competitiveness by Distributed Component Based Development of Embedded Software
- DYCONET
Dynamic Inter-Organisational CO-operative NETwork for the Maritime Industry
- E-NTRY
Electronic Tendering, Bidding, and Negotiation Real Time System
- EPI-SPARK
Enhanced Protection of IPR by streamlined Provision of Access to Regulatory Knowledge
- INSPIRE
Intelligent Support for People Oriented Process Re-Engineering and Change Management
- LIAISE
Local Intelligent Agent as Informed Sales Expert
- MEDIAT-SME
Methodology and Tools for World-best Introduction of Innovative Market Mediation System and Services in Traditional SMEs
- OPTINAV
The Optimal Navigation Support System

Visit WONDERMAR I

Copyright © 2001, WONDERMAR II Consortium. All rights reserved.





www.eraamar.net

Maritime Industry - a High Tech Industry

A system-industry

European maritime industries are a high-tech industry with strong economic potential. The global market has been the natural market for the maritime industries for centuries. This was basically natural through the international character of trade and through the curiosity of human kind for discovering the planet earth. Mastering available technological opportunities and leading scientific progress was at any time in history the key to economical and political superiority.

Cruise Ships - global operating autonomous systems

Cruise ships are even more impressive technological frontrunners. A modern cruise ship can contain as many computerised items as a modern office building. Hosting up to 4000 people and entertaining them, provide all hotel and entertainment facilities, every conceivable technical equipment, the largest mobile electric power plant, sufficient for 10.000 normal drinking water production, waste water treatment systems, guest rooms with a television, telecommunication equipment, daily shows, restaurants which are served.

Technologically advanced production

To produce modern cruise ships, advanced merchant ships and sophisticated naval vessels places increasing demands from the technological and logistical point of view. Advanced tools for engineering allow the ultimate optimization of material, speed and any kind of resource consumption, for example fluid dynamics calculation, structural analysis including finite element calculations using high performance computing.

Challenge for the Future

The new technological and the current trends towards global work shared approach between companies increase the demand for close co-operation and need for standards as an economic and increasing cooperation in engineering and manufacturing of products are necessary for the industry to join forces and develop a Development Strategic Plan. European maritime industry maintain Europe's leading position through a collaborative approach in Research and Development.

View [video spots](#) on high-tech examples from different maritime industries

eramar
Growth G3RT-CT-2001-05055
Project Partners

eramar.net
Your Status: globalAdmin

ETISMAR European Maritime SME Database

In maritime industries, small and medium sized enterprises (SME's) play an important role by providing a great versatility and a source for inexhaustible innovation. The participation of SME's is therefore an essential element in European research and innovation policy. Tailor-made programmes, special activities and targeted actions specifically for SME's are available and provide a great chance to benefit from European RTD funding for innovation and research. To facilitate the search for qualified, complimentary and powerful partners the European intelligence action ETISMAR supported the building of SME consortia and the building of a SME supportive community, 25 supporting organisations from 11 European Member States have built an impressive database of more than 2.000 maritime SME's from all European Member States and beyond. Contact one of these 25 ETISMAR organisations. They will be happy in supporting you to find the right partner for your idea, project or innovation.

SME's in Europe

Support to find SME's in Europe
You search for a maritime SME partner in Europe?
Contact one of our ETISMAR agents from the county of your choice.

NO COUNTRY

This service will be available soon. In the meantime please use the [Etismar Web-Site](#).

Search Reset

SME Search Site

Search ETISMAR SME Database (authorised partners only, other please contact one of the organisations on the left).

Company:

Country:

Business Pos.:

Domain of work:

Techn. Field:

Field of Application:

Techn. core competence:

Search Results

1. A L'ASSAUT DES REMPARTS
2. ACC
3. ACCISS BRETAGNE
4. ACE
5. ACEBI SA
6. ACH ENGINEERING
7. ACIAL
8. ACMH SAMETO
9. ACS
10. ACTE
11. ACTRIS
12. ADC SYSTEMS
13. AEROPORME
14. AET
15. ALIMAK SA
16. ALIZEE SERVICES
17. ALPHA INTERNATIONAL
18. ALTEP
19. ALTOR INDUSTRIES
20. ALLU MARINE
21. AMENAGEMENTS ET DECORATION (en liquidation)
22. AMI LENGIART
23. AML
24. AMORIS
25. AMSM J. FILY AGENCE
26. ANJOU TOLERIE
27. AQUITAINE ELECTRONIQUE

eramar
Growth G3RT-CT-2001-05055
Project Partners

Project Summary
Objectives
Work Programme
European Dimension
Partner List
Public Downloads
Contact

globalAdmin Section

Project Documents
Project Events
Project Message Board
Project Members
Project Partners

Your Profile
Logout
Your Status : globalAdmin

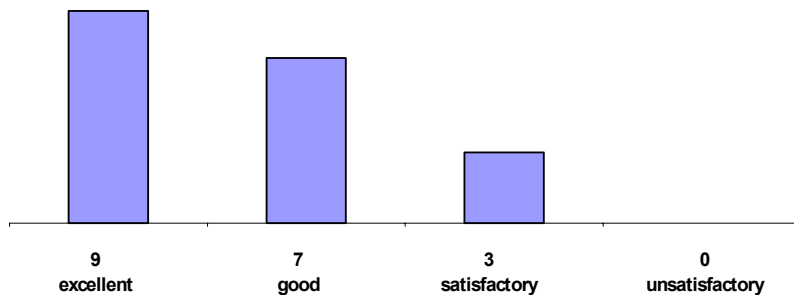
Disclaimer
Webmaster
Website Service by BALance TC



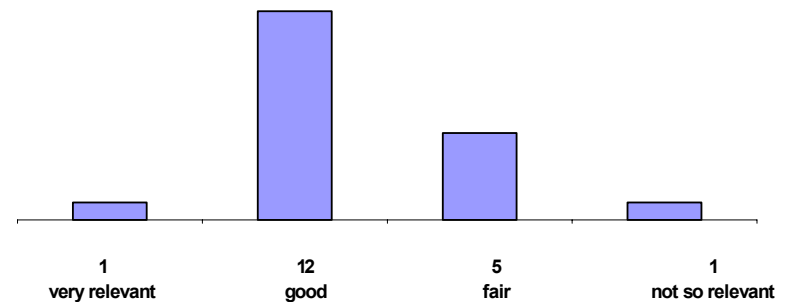
■ Wondermar I Workshop Bremen December 2000

- 105 participants (43 from Germany)
- 20 SMEs
- 20 suppliers, 15 yards, 13 software vendors, 10 classes, 17 academia

The Overall Impression of the Venue was:

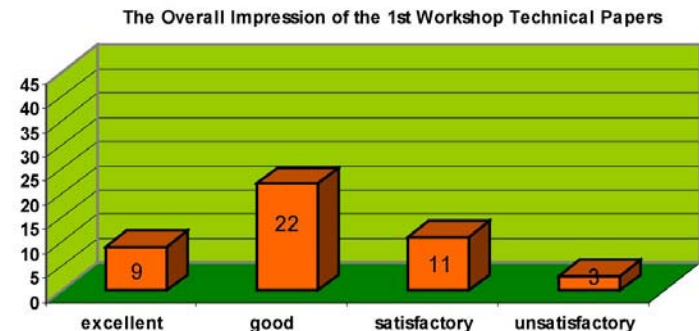
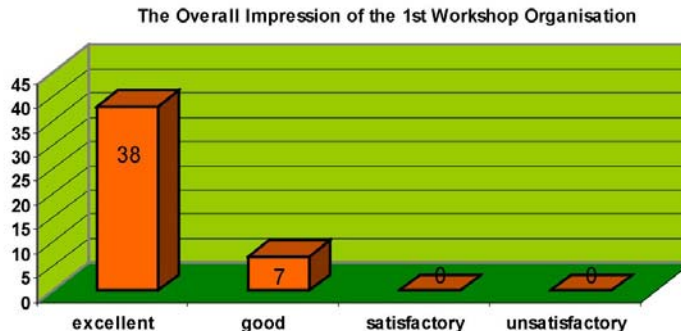


The opinion about the content of the topics was:



■ D2 Wondermar Workshop Gdansk February 2002

- 85 participants (61 from Poland)
- 14 countries
- 15 SMEs
- Rating



- Wondermar II Workshop Malmoe 2002
 - ~ 80+ participants
 - Integrated in ICCAS (~220 participants, 20 countries)

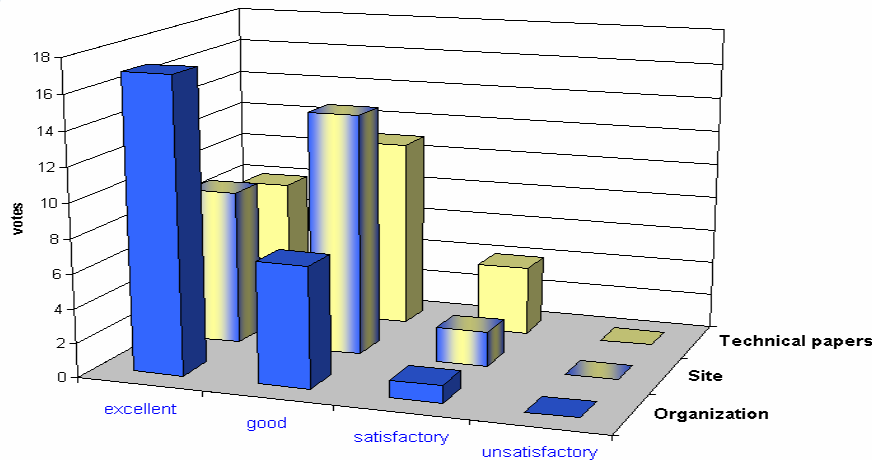
- Benefit of WP 3 through perfect access to state-of-the-art information in ICCAS presentations



- Wondermar II Workshop Delft February 2003
 - 77 participants (38 from the Netherlands)
 - 30 SMEs
 - 22 suppliers, 8 yards, 12 software vendors, 8 classes, 14 academia



Overall impression



WONDERMAR I+II Workshops

- Information Technology for the European Maritime Industry
- Intercompany Communication and Online Transaction Security
- eCommerce for the Maritime Industry
- Internet based Maritime Services
- 1st Maritime Information System
- RTD Exploitation

Next Workshop
10th March 2004
Bremen

Lisbon

1999

Wondermar Workshops with up to 100 participants



Agenda for today

Morning session

9:05	Introduction to Wondermar and the workshop	Fernando Caldeira-Saraiva British Maritime Technology, UK
9:20	Future IT scenario: Simulation based ship design	Uwe Langbecker + Alex Duffy GL, Germany + Uni. Strathclyde, UK
10:20	Coffee Break	
10:35	Future IT scenario: Information exchange in ship design	Thomas Koch Atlantec, Germany
11:35	Future IT scenario: IT support for distributed engineering	Felix Gonzalez + Antonio Rodriguez IZAR, Spain + SENER, Spain
12:35	Lunch	



- IT Scenario Statements
- Voting Procedure (Yes – Maybe – No – No Opinion)
 - Software Vendor
 - Other Supplier
 - Shipyard
 - Class Society
 - Ship Owner
 - Research
- Report back



Afternoon session

13:35	Wearable computing - Scenarios for maritime applications	Reinhard Ahlers BALance, Germany
14:05	Application of STEP to Ship Repair Data Management	Manuel Ventura IST, Portugal
14:35	Virtual Reality applications of the ship and maritime domain	Antonio Cacho IST, Portugal
15:05	Coffee Break	
15:20	Maritime IPs in FP6 An overview	Jose Ramon Lopez IZAR, Spain
15:50	Evaluation and discussion	

