

ERIK Network

Trans-Regional WORKSHOP

Innovation, Knowledge & Clusters



CONSORZIO DIAMANTE
DISTRETTO INDUSTRIALE AZIENDE MOTORISTICHE
ASSOCIATE NETWORK TECNOLOGICO EMILIA-ROMAGNA

Bologna, 30th June – 1st July 2003

Agenda

- ✓ Brief Introduction to the DIAMANTE Consortium
- ✓ 2002 Activities
- ✓ Programmed Activities for 2003

Brief Introduction to the DIAMANTE Consortium

The DIAMANTE Consortium was founded in 1998.

Its members originally were the General Managers of Motor Companies.

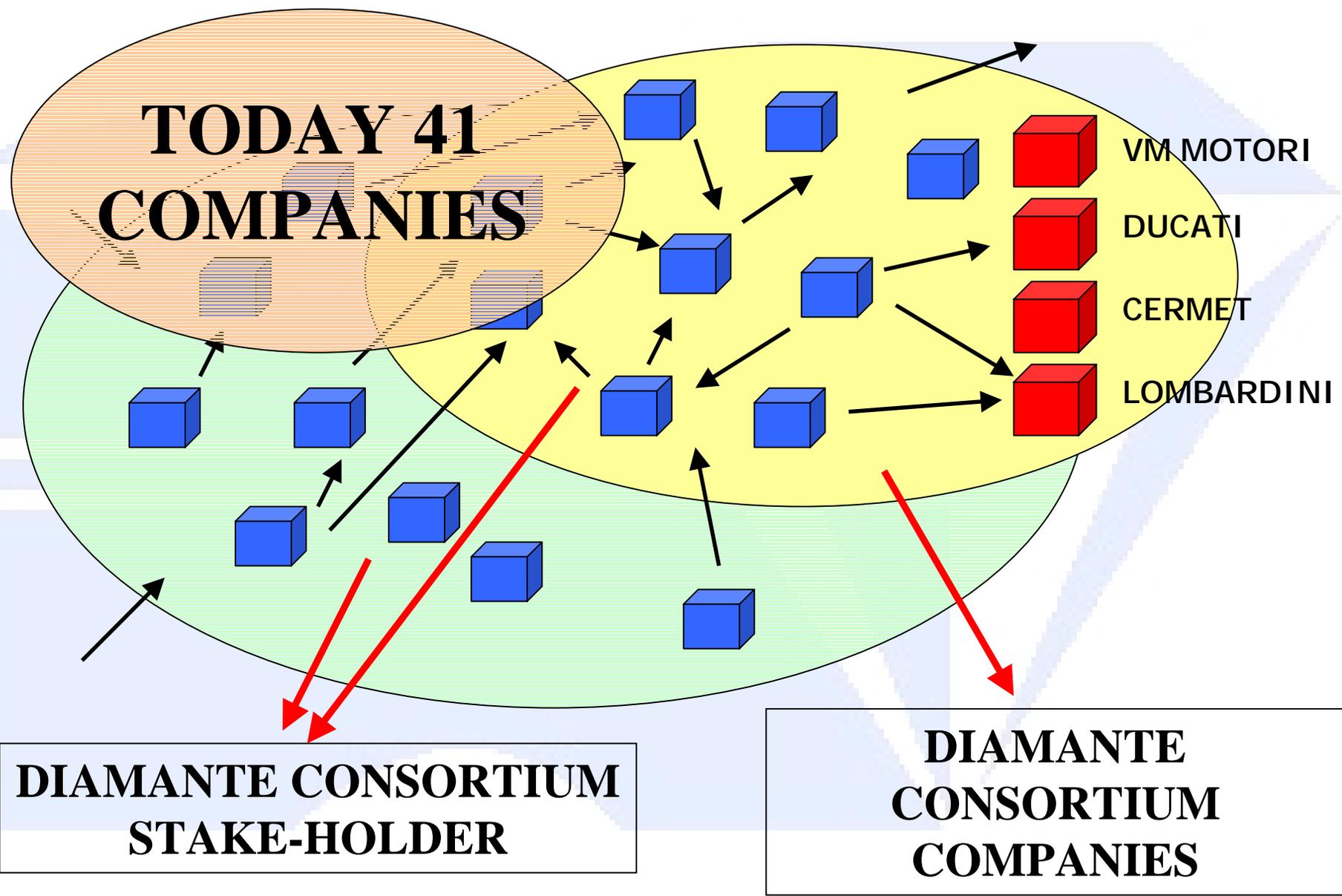
Why a Consortium?

- o To create a STRUCTURE able to respond to the various needs of the Motor Companies.
- o To create a BODY with the purpose of collecting resources and making them available as required.
- o To change from an industrial district (with strong historical and cultural traditions) to a System which continuously, and coherently, organizes the available resources.

A series of informal meetings involving members from the founding companies (CERMET, VM MOTORI, DUCATI, LOMBARDINI), to share their problems, strengths and weaknesses.

THE MEMBERS ARE DIVIDED INTO WORK GROUPS AND OPERATE IN THE FOLLOWING AREAS

- ✓ Quality and reliability
- ✓ Project/Process Innovation
- ✓ Training



2002 Activities

AREAS OF ANALYSIS :

- ✓ Quality and reliability
- ✓ Project/Process Innovation
- ✓ Training

**FEASIBILITY STUDIES HAVE BEEN LAUNCHED FOR
THOSE PROJECTS DEEMED TO BE OF INTEREST**

2002 Activities

Concluded Feasibility Studies:

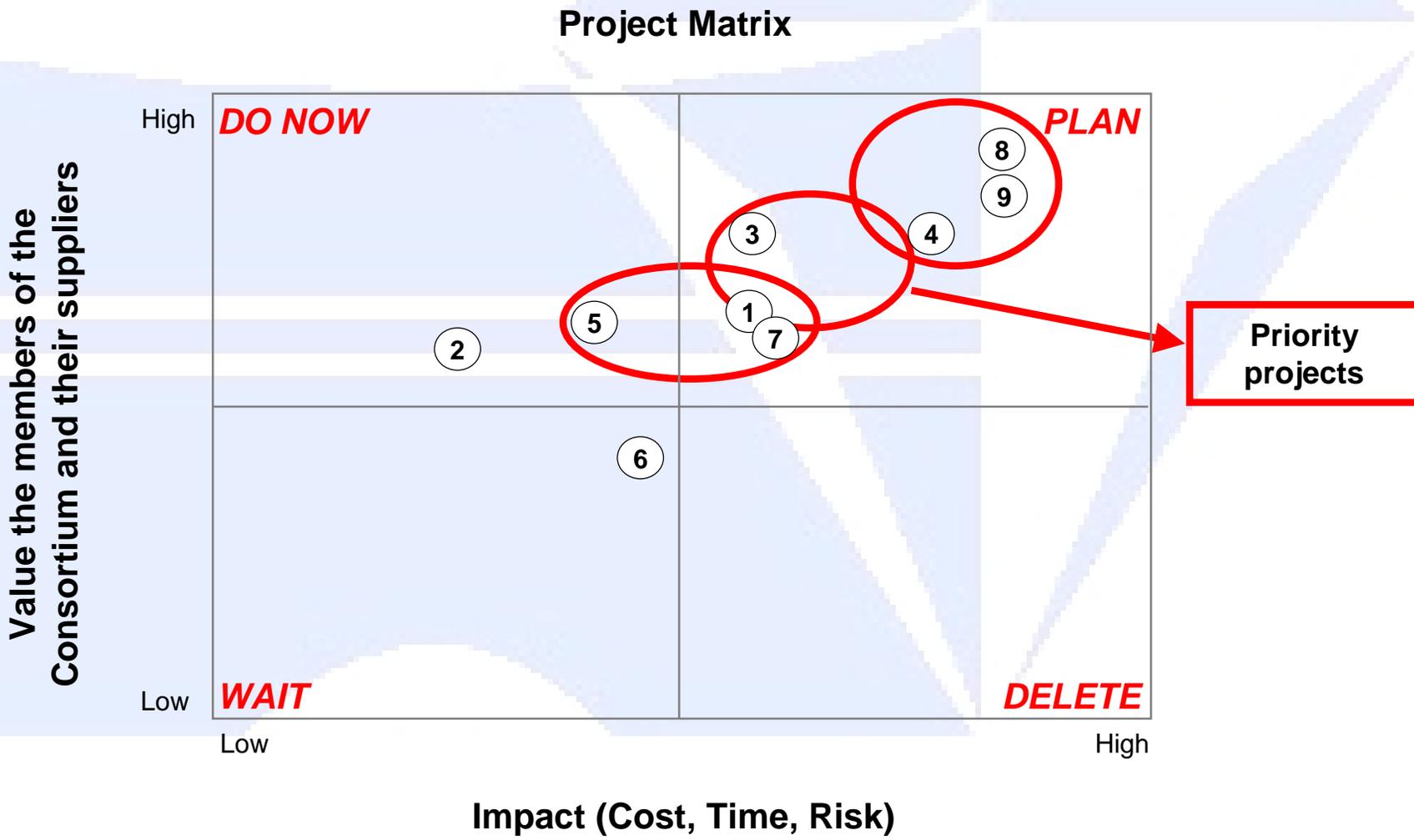
1. Potential uses of light alloys;
2. Diamante Consortium web-site;
3. Mistake-proofing methods;
4. Planning methods in product / service development processes;
5. Inter-Consortium HR training;
6. KPI for Supply chain;
7. Assembly Traceability Systems;

Programmed Activities for 2003

Projects relevant to the Consortium

1. Sharing of methodologies via Web;
2. Sharing of mistake-proofing methods;
3. Codesign;
4. Performance Indicator for Supply Chain;
5. Co-financing and coordination of training programs;
6. Assembly traceability;
7. Sharing of analysis methods (eg. Problem solving);
8. Supplier integration via Web;
9. Definition of supply chains in order to optimize the process.

The projects have been classified in a matrix highlighting the organizational value and impact for the members of the Consortium and their suppliers.



Priority projects have been grouped together in clusters according to concept similarities.

Clusters

Logistic flow

- 9. Definition of supply chains in order to optimize the process
- 4. Supply Chain – Key Performance Indicator
- 8. Supplier integration via Web

Shared knowledge

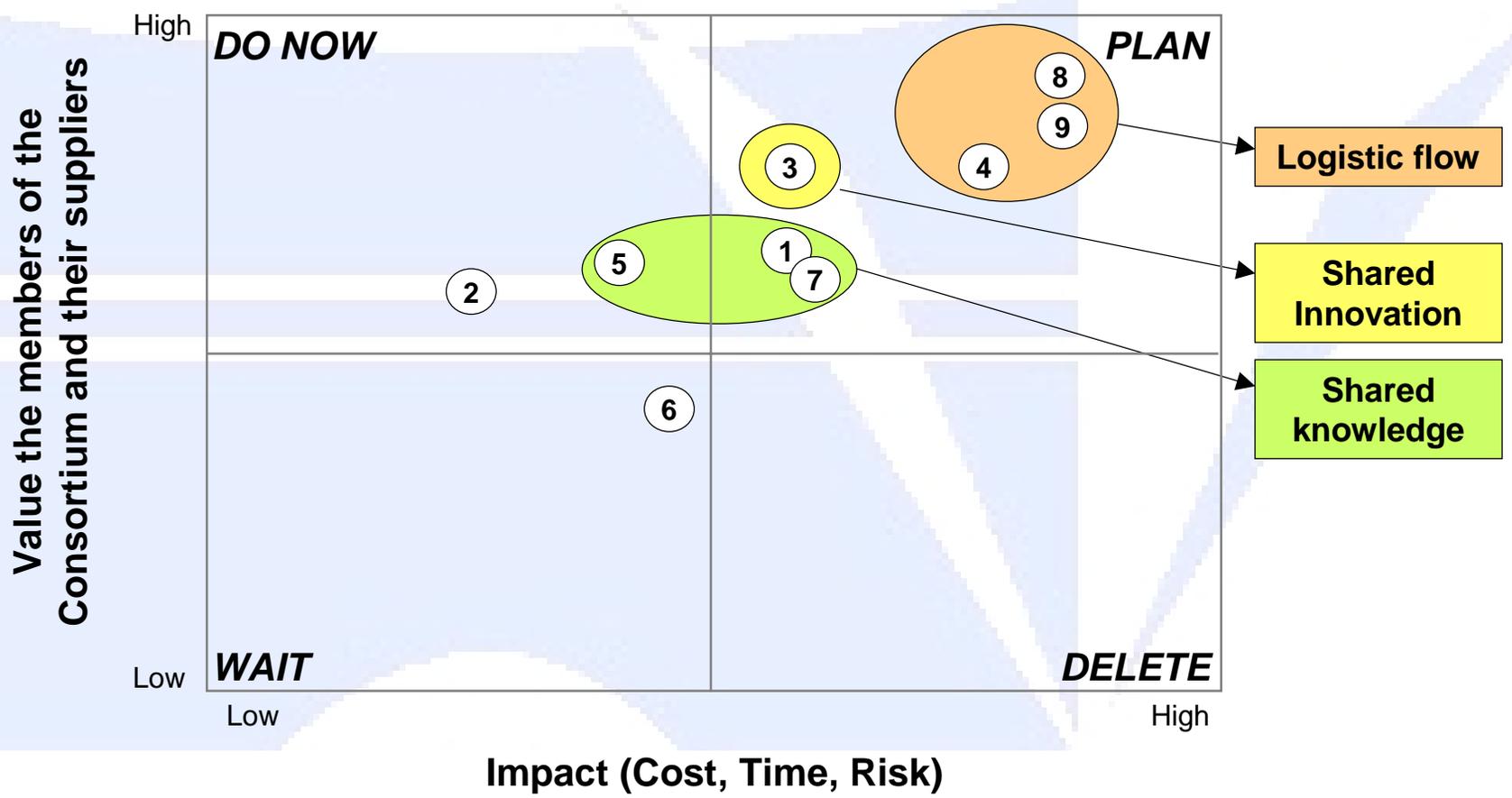
- 1. Sharing of methodologies via Web
- 7. Sharing of analysis methods (eg. Problem solving)
- 5. Co-financing and coordination of training programs

Shared innovation

- 3. Codesign

...and their position in the matrix.

Project Matrix



LOGISTIC FLOW

DEFINITION OF SUPPLY CHAINS IN ORDER TO OPTIMIZE THE PROCESS

SUPPLY CHAIN KEY PERFORMANCE INDICATOR

INTERNET SUPPLIERS INTEGRATION

EXPECTED BENEFITS (1/2)

	Benefits	Promotors	Suppliers
Increased knowledge of SC	<ul style="list-style-type: none"> ➤ Organization, logistics and production of each member ➤ Supply chain visibility 	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Improved communication between members	<ul style="list-style-type: none"> ➤ Faster communication at lower cost ➤ Standardization of communication protocol 	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

EXPECTED BENEFITS (2/2)

	Benefits	Promoters	Suppliers
Supply Chain integration	➤ Lead time reduction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	➤ Reduction of management costs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	➤ Reduction of incidence of stock-out	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	➤ Improved fidelity between the members	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	➤ Stock reduction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	➤ Reduction of quality related costs		<input checked="" type="checkbox"/>
Continuous monitoring of Supply Chain performance	➤ Continuous improvement	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	➤ "Early-Warnings"	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	➤ Performance benchmarking within the Consortium	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

SHARED KNOWLEDGE

SHARING OF METHODOLOGIES VIA WEB

CO-FINANCING AND COORDINATION OF
TRAINING PROGRAMS

SHARING OF ANALYSIS METHODS
(EG. PROBLEM SOLVING)

2003 TRAINING PROJECTS DEVELOPED WITH *ALDINI VALERIANI FOUNDATION*

1. From Logistics Management to Supply Chain Management;
2. Poka-Yoke systems applied to processes;
3. Prevention/correction systems – Statistical process control;
4. Work analysis;
5. Middle management training;
6. Problem solving & Team work.