



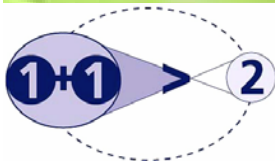
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Ministry of Industry & Trade  
The Office of the Chief Scientist

# MAGNET PROGRAM

**Director: Ilan Peled**

MAY 2005



Magnet Program 1

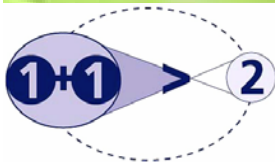


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# MAGNET

## Generic Pre-Competitive Technology

( Long Term R&D)





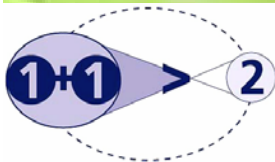
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# The Missing Factors

## Co-operation

**Teaming up is the Key everywhere, especially in a 6 million people country.**

**We just do not have enough resources to accomplish our goals if everybody is on his own.**



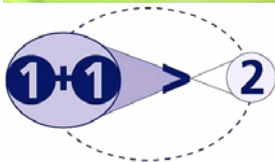


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# The Missing Factors

## *The Academic Research*

**We Have world-class academic institutions,  
and they do a stunning amount of Research.  
WE must give the Industry access to that wealth.**





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## Magnet's Rational

◆ *Critical Mass*

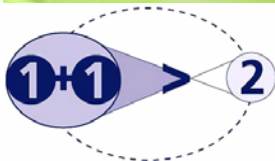
For building common Technologies

◆ *Efficient Exploitation of National Resources*

Government and Private

◆ *Encouraging Industry to Exploit Scientific Know-how*

◆ In Research Institutes

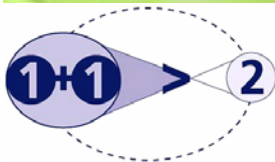




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# Definition

**Enhance the development of the long term competitive edge of the Israeli Industry by creating clusters of companies and research institutes in areas which are important in the international markets, and we might have a relative advantage.**



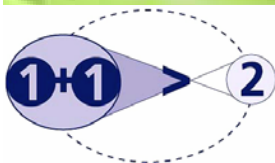


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## Magnet's Routes

### ❖ *CONSORTIUM -Technology R&D Route*

**Forming a Consortium of Companies ( >3) and Academic groups to achieve a common vision, by developing new technologies and share know-how among the members.**



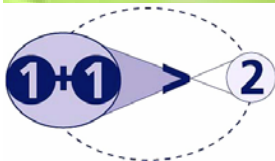


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# Magnet's Routes

## *Distribution and Implementation Route*

**Forming an Association of Industrial Companies  
Dissemination & Assimilation Technology and  
sharing their experience dealing with new  
technologies.**





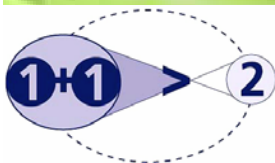


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## Magnet's Routes (cont)

❖ **MAGNETON** Encouragement technology transfer

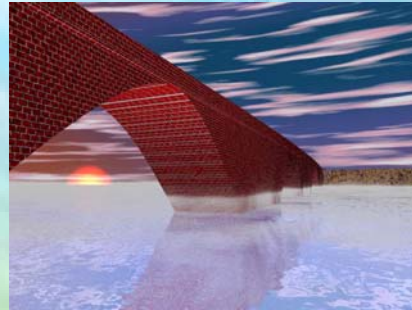
**Dual cooperation-Industry V Academia –  
1 company versus 1 academic group doing  
feasibility research in order to validate chance to  
use the technology for new product's development**





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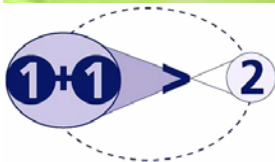
## Magnet's Routes (cont)



***NOFAR*** – Bridge between basic to Applied research

**This is an applied research in the Academia  
supported by Industry – finance and assistance**

**Dedicated to Bio-technology & Nano-technology**





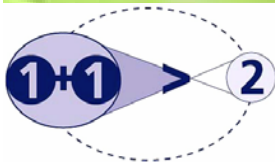
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# Incentives



**66% grant from approved budget**

**No royalties payback**





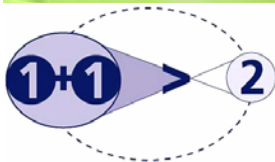
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# The Real Incentive

An enormous saving in Resources,  
especially in Human Resources



## Cooperation!

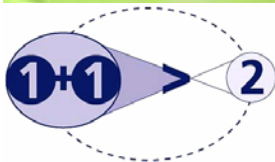




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## The Model's Advantages

- ◆ *Creates a Critical Mass in State of the art Technologies.*
- ◆ *Improves Openness and Synergism*
- ◆ *Induces Friction between Competitors.*
- ◆ *Focuses Technological activity.*
- ◆ *Saves Government and Private Investments.*
- ◆ *Bridges the gap between Academia to Industry.*





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## Magnet Management

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