

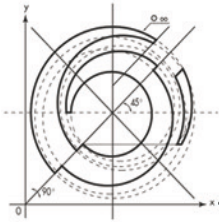
THEMATIC NETWORK
CLEANER & MORE EFFICIENT
GAS TURBINES (CAME-GT)

CONTRACT NO: ENK5-CT-2000-20062

First Combined Workshop
Brussels
16th February 2001

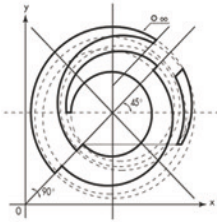
David Pollard
CAME-GT Project Co-ordinator

CAME-GT



OBJECTIVES

- Co-ordinate RTD projects in Industrial Gas Turbines
- Four Technology Clusters
 - turbomachinery
 - combustion
 - materials
 - systems
- RTD Strategy
- Exploitation & Dissemination
- Training & Education

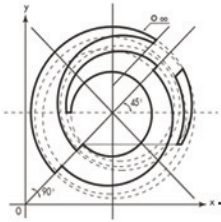


Partners



- ALSTOM Power (co-ordinator & RTD Strategy)
- Turbomeca (Turbomachinery Cluster)
- DLR (Combustion Cluster)
- Siemens (Materials Cluster)
- MAN Turbomaschinen AG (MGB) - (Systems Cluster)
- Rolls-Royce Power Engineering (Exploitation and Dissemination)
- Vrije Universiteit, Brussel (GT Training)
- Gastec NV (Exploitation & Dissemination)
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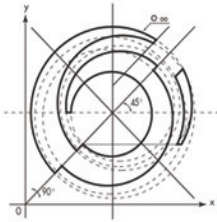
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OPERATION

- Cluster workshops
- Two conferences
- Web site

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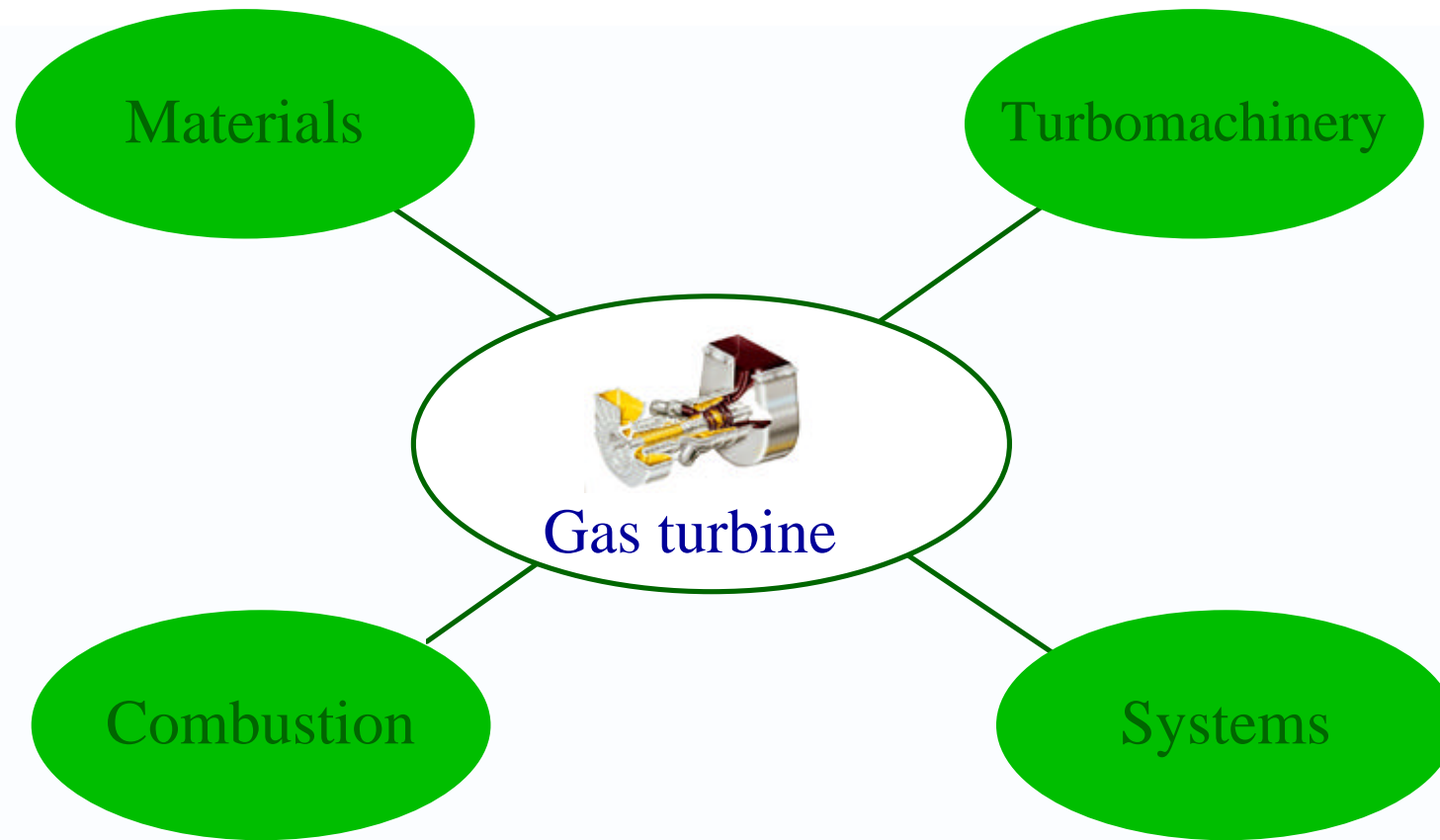
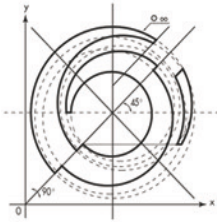


FPV Objectives

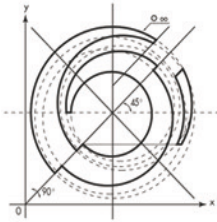


Type of Gas Turbine	Combined Cycle/ Advanced Cycle	Advanced Open Cycle	Small Gas Turbine
Efficiency Medium Term %	> 60	50	35
Efficiency Long Term %	> 65		
Availability %	> 90		
Reliability Medium Term %	95		
Reliability Longer Term %	97		
NOx Emissions (ppmv)	< 20		
Fuels LHV %	< 25 of natural gas		

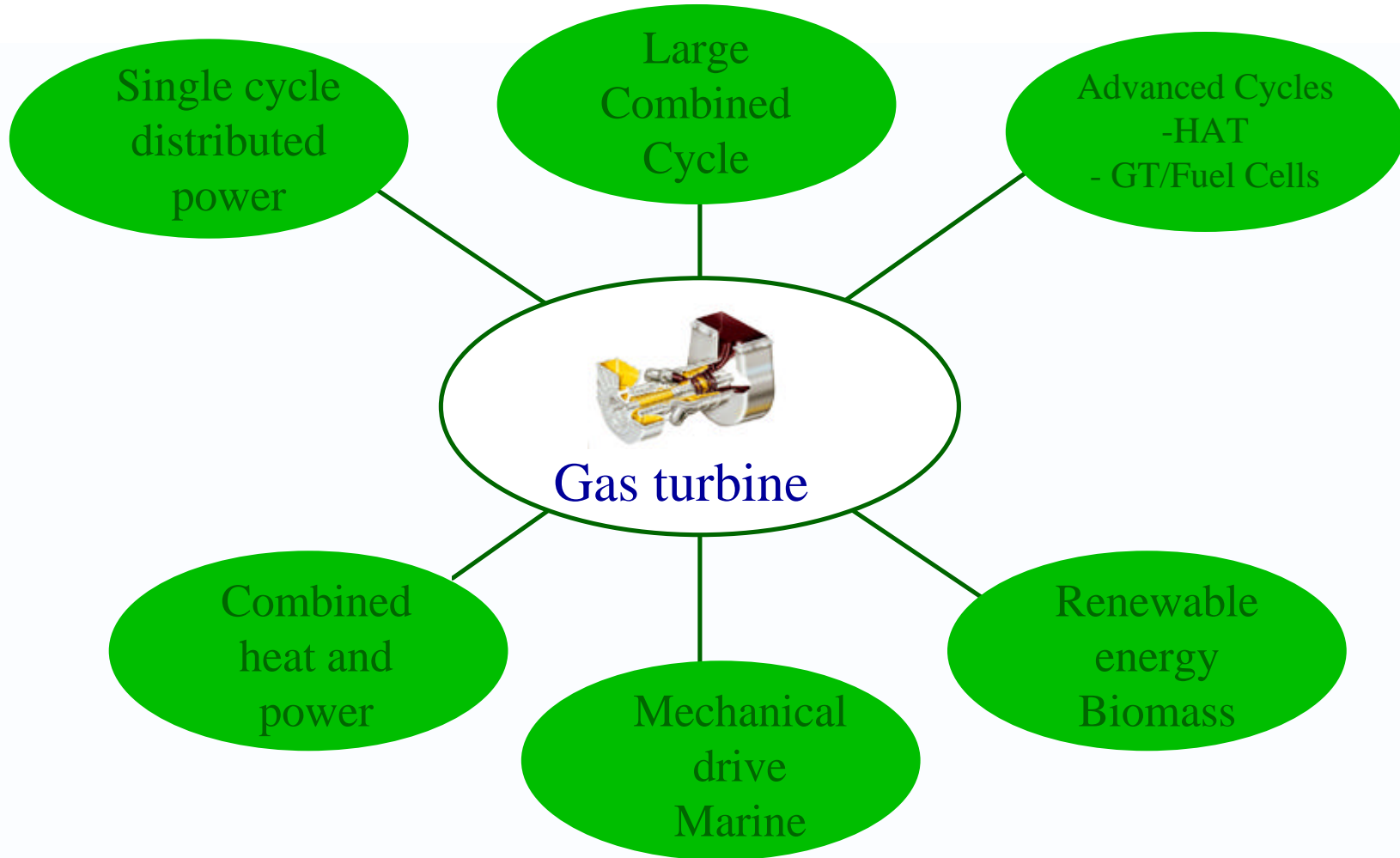
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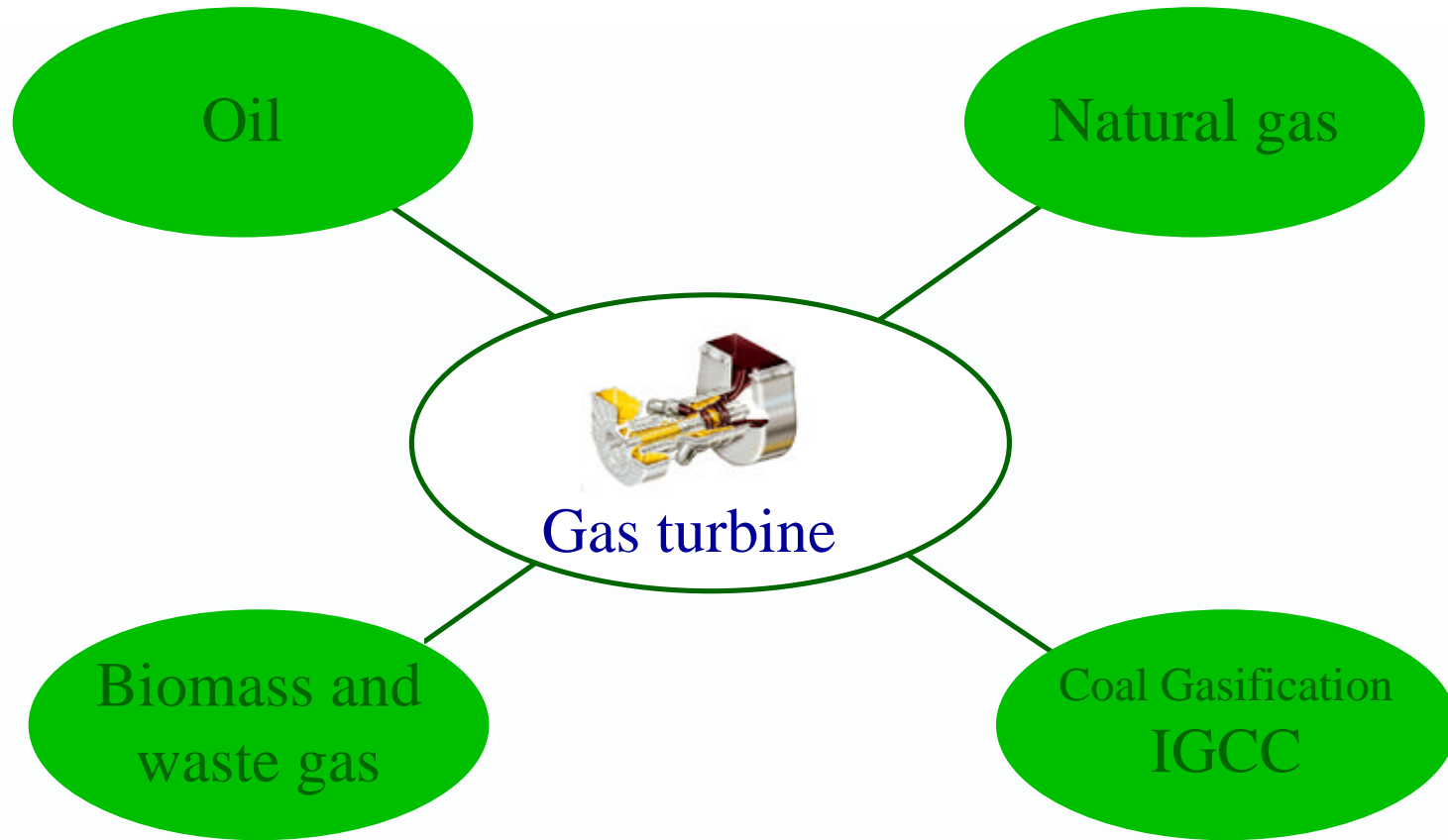
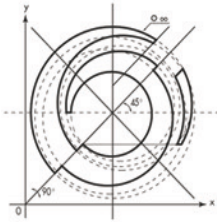
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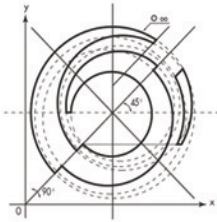
GT Applications



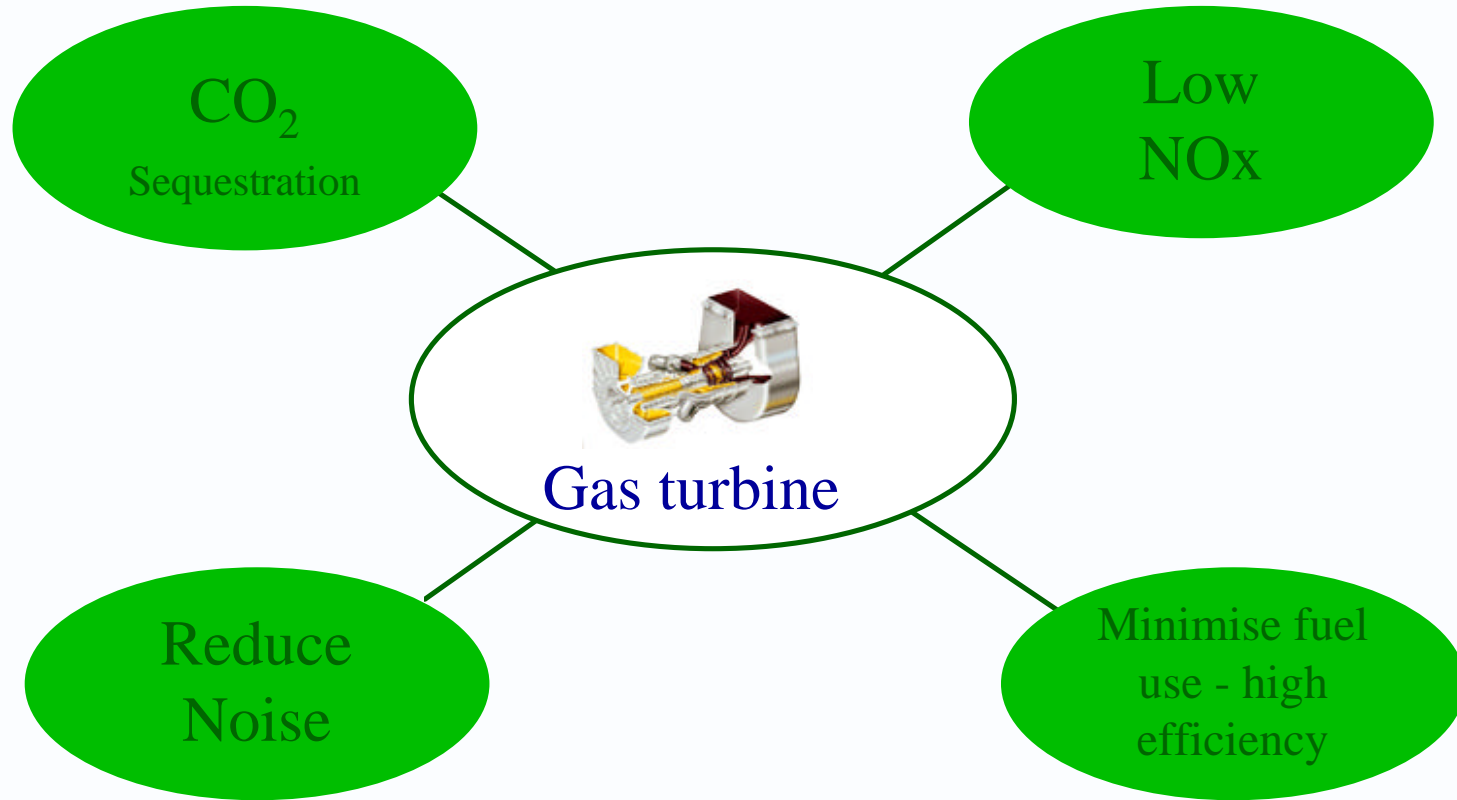
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Environment



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