

**Concerted Action CE-IGT  
Industry R&D Questionnaire**

**Official Entity (OE)**

**Official Unit (OU)**

**Official Entity Coordinates**

Official name of the OE

Street address and No.

P.O. Box

Zip Code

City

Country

Official Representative of the OE

Phone

Fax

Homepage

## Concerted Action CE-IGT Industry R&D Questionnaire

Official Entity (OE)

Official Unit (OU)

### Official Entity Coordinates

Status of the OE  Public  Private  Semi-private

Small Medium-size Enterprise (SME)  Yes  No

Sectors of activity  see 0

Yearly turnover (optional)

Percentage of R&D investment

Number of employees

T00

## Concerted Action CE-IGT Industry R&D Questionnaire

Official Entity (OE)

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### Sector of activity

Gas turbine manufacturer

Supplier

Packager

Power generation

Heat and power generation

Oil and gas transport

Marine

Science and Technology consultant

Others

specify

**Concerted Action CE-IGT  
Industry R&D Questionnaire**

**Official Entity (OE)**

**Official Unit (OU)**

**Official Unit Coordinates (Form 1)**

Official name of the OU

Street address and No.

P.O. Box

Zip Code

City

Country

Official Representative of the OU

Phone

Fax

E-Mail

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**Concerted Action CE-IGT  
Industry R&D Questionnaire**

**Official Entity (OE)**

**Official Unit (OU)**

**Official Unit Coordinates (Form 2)**

Number of permanent R&D personnel with academic degree (diploma, master, bachelor, laurea, etc.)

Number of permanent R&D personnel without academic degree ( technicians, support personnel)

**Concerted Action CE-IGT  
Industry R&D Questionnaire**

Official Entity (OE)

Official Unit (OU)

**Operative Team Coordinates**

Number of OT permanent personnel, with academic degree, mainly (>50%) performing gas turbine related research

Number of OT permanent personnel, without academic degree, mainly (>50%) performing gas turbine related tasks

Person in charge of the OT

Phone

Fax

E-Mail

Is the OT coincident with the OU?

Yes

No

In case of "No", is any component of OU personnel involved in more than one OT?

## Concerted Action CE-IGT Industry R&D Questionnaire

Official Entity (OE)

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### Operative Team Funding

**Following information based on a period from 1998 - 2002**

Yearly averaged funds directly granted to the OT from the OU and/or OE

Yearly averaged funds to the OT from national government (typically national research departments or ministries)

Yearly averaged funds to the OT from other national, public sources (typically research associations)

Yearly averaged funds to the OT from private, contractual work (typically industry) at a national level

Yearly averaged funds to the OT from the EC (Frame-Works 4 and 5)

Yearly averaged funds to the OT from private, contractual work (typically industry) at an international level

Other financial resources

Long-term (> 4 years) research projects at a national, European, international level

specify

Mid-term (2 - 4 years) research projects at a national, European, international level

specify

Short-term (< 2 years) research projects at a national, European, international level

specify

## Concerted Action CE-IGT Industry R&D Questionnaire

Official Entity (OE)

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### Operative Team Research Environment

Research fields of the OT related to the gas turbine field

specify <sup>1)</sup>

Research infrastructure (computing facilities, experimental facilities, library provisions etc.)

specify <sup>2)</sup>

Publications and patents of the OT related to the gas turbine field (1998 – 2002)

specify <sup>3)</sup>

Any certification, accreditation, qualification obtained or on-going quality management programmes

specify

- <sup>1)</sup> when you click here form sub1 will open  
<sup>2)</sup> when you click here forms sub2 will open  
<sup>3)</sup> when you click here form sub3 will open



Sub1

## Concerted Action CE-IGT Industry R&D Questionnaire

Official Entity (OE)

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### OT Research fields

**Mark on all research fields in which the OT is involved**

Aerodynamics

Combustion

Thermodynamics

Materials and coatings

Component improvements

Manufacturing technologies

Control, health monitoring and instrumentation

Innovative cycles

Others

specify

**Concerted Action CE-IGT  
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sub?

Official Entity (OE)

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**OT Research Infrastructure (part 1)**

Experimental facilities

Number of compressors test rigs

Number of turbine components test rigs

Number of gas turbine test rigs

Number of wind tunnels

Number of fuel spray test rigs

Number of combustion test rigs

Number of seal test rigs

Number of bearing test rigs

Others

## Concerted Action CE-IGT Industry R&D Questionnaire

Official Entity (OE)

Official Unit (OU)

### OT Research Infrastructure (form 2)

#### Advanced instrumentation

Laser Doppler Anemometry  Laser Two Focus Anemometry  Particle Image Velocimetry

Hot Wire/Film Anemometry  Infrared Thermometry  Liquid crystal techniques

Multi-Hole pneumatic probes  Dynamic pressure probes  Gas-chromatographic instr.

Thermocouples  Emissions analyzers  Pressure transducers

Others

Overall capital investment in gas turbine related research equipment in current use (€)

Sub2

## Concerted Action CE-IGT Industry R&D Questionnaire

Official Entity (OE)

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### OT Research Infrastructure (part 3)

#### Computing Facilities

##### Hardware equipment

##### Software tools

Please, specify the numbers of the following items:

PCs

Grid generators

Workstations

CFD commercial codes

Mainframes

CFD internally developed codes

Remote connections to mainframes

Combustion prediction codes

Clusters

Graphical post-processors

If necessary, please specify also any information you deem useful about the characteristics of your hardware equipment and software tools

specify

sub3

## Concerted Action CE-IGT Industry R&D Questionnaire

Official Entity (OE)

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### OT Publications

Number of scientific books or book chapters (min. 20 pages)

Number of publications on a Journal (international level)

Number of publications in Conference proceedings (international level)

Number of national level publications

Number of patents without industrial exploitation

Number of patents with certified industrial exploitation