



# THERMAL BARRIER COATING STUDY

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# Thermal Barrier Coatings

## Reasoning

### □ Known technology

- Concerns: How to address adequately the questions?
  - Initial acquisition process of the hardware
  - Decision process before and during maintenance events
  - In occurrence of failures
  - Unit forecasting efforts



**ETN**

# Thermal Barrier Coatings

## Proposal

- ☐ In-depth literature survey
- ☐ Assessment of European TBC-related (knowledge market)

# Thermal Barrier Coatings

## Proposal - I

### □ In-depth literature survey

- Bottleneck: Which topic to select?
- Different approach
  - Topics of interest
    - Initial list will be provided
    - Prioritization
  - Collection of literature places
  - Literature places will be weighted relevant to topic

# Thermal Barrier Coatings

## Deliverable

- ☐ Overview of TBC related topics
- ☐ Overview of literature places
  - ☐ Weighted relevant to listed topics
- ☐ Deliverable to be used for:
  - ☐ In-depth overview on a specific TBC related topic
  - ☐ Definition of knowledge gaps
    - ☐ Research projects within ETN community



**ETN**

# Thermal Barrier Coatings

## Proposal II

- ❑ Assessment of TBC-related European (knowledge) market

## Reasoning

- ❑ To provide operators as well as interested parties entrances to the academic world on the specific topics
  - ❑ Contact details & fields of expertise



**ETN**

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## Timing

- |   |              |
|---|--------------|
| <input type="checkbox"/> List of topics                       | June 2013    |
| <input type="checkbox"/> Collection of literature             | October 2013 |
| <input type="checkbox"/> Weighted list                        | March 2014   |
| <br><input type="checkbox"/> Assessment of TBC-related market |              |
|   | March 2014   |