



THERMAL BARRIER COATINGS

Andre Mom, Independent Consultant

Ron van Gestel, NPI Program Manager, Chromalloy



ETN

Thermal Barrier Coatings

‘Berlin’ Workshop

Operators expressed interest (Total, Vattenfall, ...)

Reasoning

“Insufficient insight in the effect,

the performance

the risk,

the advantages,

the disadvantages,

.....

of this technology”



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How can a decision be made in the discussion with our maintenance partners?

OEM and/or third party



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Hot topic in the R&D world!



Is not already all addressed!?

Thermal Barrier Coatings

Approach:

- ❑ Literature survey
 - Identify 'all' TBC related references
- ❑ Categorize
 - Based upon title and abstract
- ❑ Review and report on specific categories



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Identified topics

☐ Damage mechanisms

☐ Lifing

☐

☐

☐

Study is being executed by four students of the minor 'Gas Turbines'



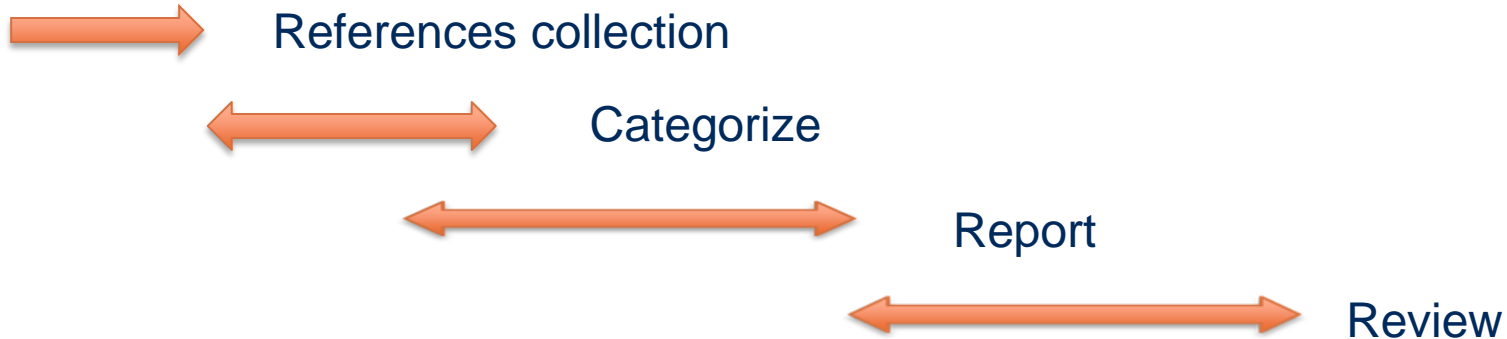
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Timing

2013

38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
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Chaussee de Charleroi 146-148/20,
1060 Brussels, Belgium

Tel: +32 (0)2 646 15 77 info@etn-gasturbine.eu

www.etn-gasturbine.eu



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