

## COVER STORY

# IMM Thermal Insulation Standard



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IMM Insulation Committee has developed its own Malaysian Thermal Insulation Standard in combination with the best of several renowned International Insulation Standards (JIP 33 & ASTM C-1696-20) to suit Malaysian's environments and requirements.

The IMM Thermal Insulation Standard covered topics such as: -

- a) General requirements of industrial insulation.
- b) Design philosophy for hot and cold insulation.
- c) Insulation materials specification.
- d) External covering
- e) Installation details for hot and cold insulation
- f) Inspection and maintenance of existing insulation systems

One of the key objectives of developing IMM's Thermal Insulation Standard is to encourage more stakeholders such as design professionals, mechanical and process engineers and contractors, facility owners from all industries, power plants and manufacturing to adopt our Malaysian Insulation Standard.

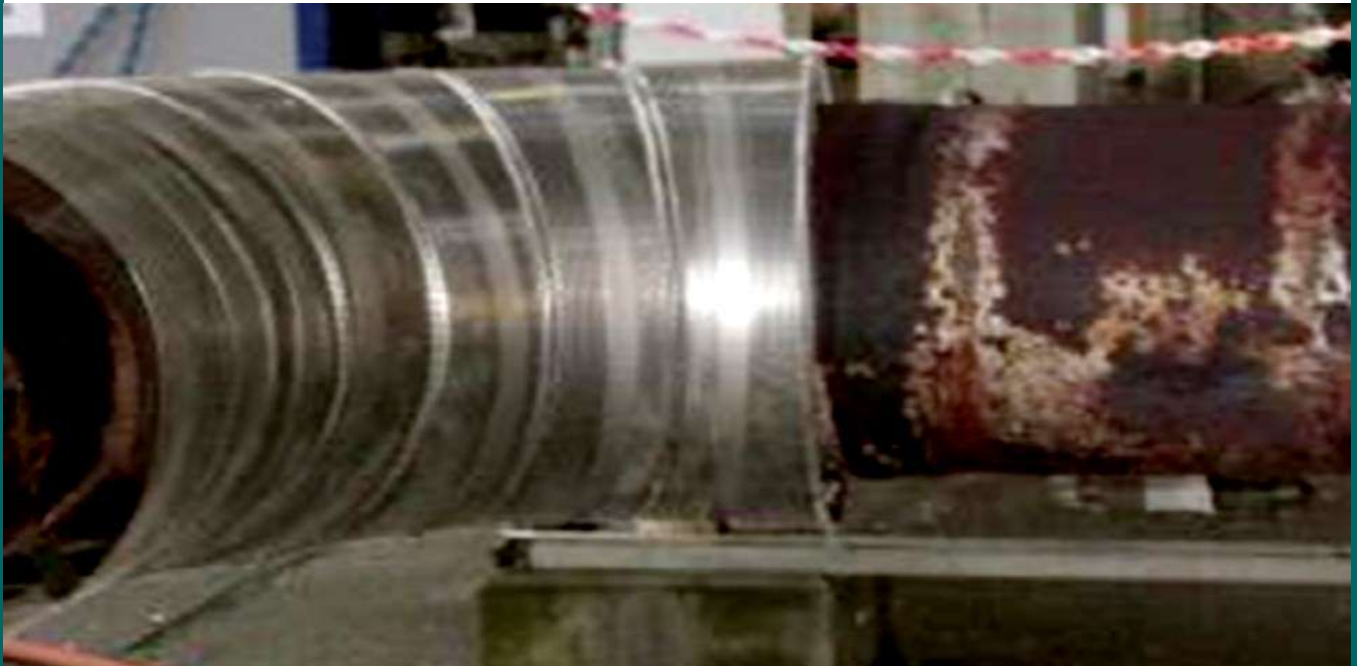
The other key objective is to develop and promote a series of Insulation Installations courses (Thermal Insulation Practitioner Level 1 to Level 2) based on Malaysian Insulation Standard.



**Figure 1:** Steel pipes with good insulation

These insulation practitioner courses are designed for both industrial and commercial markets, utilizing mechanical insulation systems for piping and equipment in both hot and cold environments.

In the respective courses, the background of the IMM Thermal Insulation Standard will be explained, as well as to have a closer look at basic skills of thermal insulation in industries, and everything directly or indirectly related to thermal insulation will be addressed.



**Figure 2:** Steel pipes with bad insulation

The basic of corrosion under insulation (CUI) and QA/QC will be reviewed in detail under Thermal Insulation Practitioner Level 2. Emphasis will be on the correct and best practices of correct installation according to issues like inspection and maintenance of existing insulation systems, energy savings and reduction of emission will be reviewed in detail too.

Emphasis will be placed on practical techniques and field installations, including metal fabrication of insulation, which will be conducted in workshop. Additional focus will be given to installation techniques on pipes, elbows, reducers, valves, flanges, strainers, and items with various configurations. These techniques will be taught and trained by experienced field personnel in the workshop as well.

Quality control will be a key aspect of these Thermal Insulation Practitioner Courses. The IMM Insulation Task Force Committee will be responsible for providing the examination questions and answers based on the IMM Thermal Insulation Standard. The Approved Training Body (ATBs) will provide the classroom training and practical workshop sessions.



## ANNOUNCEMENT

### CHANGING OF IMM MEMBERSHIP & COMPETENCY CERTIFICATE

With effective date 01 October 2023, we will be using the new design template and

ONLY digital certificate will be issued for:

- IMM Membership Certificate AND
- IMM Competency Certificate

GO TO [WWW.IOMM.ORG.MY](http://WWW.IOMM.ORG.MY) FOR MORE INFORMATION





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Issue 39

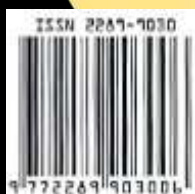
October 2023

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Institute of Materials, Malaysia

## HIGHLIGHTS

- ♦ IMM Thermal Insulation Standard
- ♦ Transforming Plastic Waste into Functional 3D-printed Products
- ♦ Samarium Doped Ceria: A Key Player in Solid Oxide Fuel Cell (SOFC)



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