
Nine Sigma- High Performance Thermal Insulation Materials for Electrical Cables- Request for Proposals

Sponsor

Nine Sigma

Program

High Performance Thermal Insulation Material for Electrical Cables

For More Information

Please visit the NineSigma webpage for the [High Performance Thermal Insulation Materials for Electrical Cables](#) [1].

Description

NineSigma, representing a leading cable manufacturer, invites proposals for high performance and durable thermal insulation materials. The successful materials will be applied on electrical cables and must assure the proper working of these cables at operating temperatures up to 350°C and allow 90,000 service hours.

NineSigma's client produces a range of cables for demanding applications including aerospace. A challenging environment for electrical cables is the proximity to intense sources of heat. Novel developments will need cables to reliably perform under exposure to ever higher temperatures. Moreover as the anticipated lifetime of the electrical systems will increase also the cables should be engineered to last longer.

Funding Availability

TBD

Indirect Costs

40%

Project Duration

The project consists of two phases:

Phase 1 – Proof of concept:

Lab evaluation of promising materials, including accelerated durability tests e.g. chemical resistance, mechanical stress and flex testing, electrical testing. Assessment of cable manufacturing aspects.

Phase 2 – Scale up for commercial use:

Implementing the solution in client's cable manufacturing technology

Special Notes

Please note that only non-confidential information can be accepted.

Deadlines

If College-level review is required, your College will communicate its earlier internal deadlines.

Type	Date	Notes
Internal Deadline	Friday, March 6, 2015 - 4:30pm	To Office of Research Services: Please submit your application/proposal, along with an OR-5 Form to research.services@uoguelph.ca . [2]
External Deadline	Friday, March 20, 2015 - 4:30pm	To sponsor.

How to Apply

Please visit the [Nine Sigma webpage](#) [1] for this opportunity and follow the application instructions.

For Questions, please contact
SOLUTION PROVIDER HELP DESK

Email: phd@ninesigma.com [3] *Reference RFP#7276107 in the subject line

Phone: +1-216-283-3901

Office of Research

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Research Services Office

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Alert Classifications **Category:**

Funding Opportunities and Sponsor News

Disciplines:

Physical Sciences and Engineering

Source

URL: <https://www.uoguelph.ca/research/alerts/funding-opportunity/2015/nine-sigma-high-performance-thermal-insulation-materials-electrical-cables>

Links

[1] https://ninesights.ninesigma.com/rfps/-/rfp-portlet/rfpViewer/2761?utm_source=Email&utm_medium=email&utm_campaign=7276107

[2] <mailto:research.services@uoguelph.ca>

[3] <mailto:phd@ninesigma.com?subject=Question%20for%20NineSigma%20Request%20REQ7276107>

[4] <mailto:mgrimes@uoguelph.ca>