PA971

To whom it may concern

**RE: GIZ Energy Efficiency Lighting Research**

SMEC South Africa has been appointed by the GIZ to investigate and catalogue the energy efficiency lighting research currently being undertaken in South Africa as per the attached letter of introduction.

The goal of the research is to provide an overview of current energy efficient lighting research being carried out in South Africa. All the key stakeholders and researchers conducting research in this area need to be identified.

Kindly answer the questions below:

| No. | Question | Response by researcher |
| --- | --- | --- |
| 1 | Are you currently involved with any research projects pertaining to energy efficiency lighting projects?  If yes, please continue to fill out the full questionnaire.  If no, please respond to item 2 only. |  |
| 2 | Do you see any gaps where research should be conducted in energy efficient lighting? |  |
| 3 | Which sector does your research fall under?   * 1. Public sector and research facilities   2. Academic institutions   3. Private sector   4. If other, please specify |  |
| 4 | Which category does your research fall under?   * 1. Daylighting design   2. Photometric measurement systems   3. Lighting simulation   4. Materials/nanotechnology   5. Surge protection   6. Lifespan, Lumen maintenance / L70   7. Standardised techniques for   lifespan testing / warranties / standards   8. Colour shifts with ageing   9. Improvements in energy efficiency,   10. LED Chip   11. Emission spectrum   12. Drivers   13. Heatsink   14. Lens / diffuser improvements   15. Smart control   16. If other, please specify |  |
| 5 | To what type of lighting applicable would you classify your research as most relevant to?   * 1. Retail and commercial   2. Stadium / Sports lighting   3. Public lighting (road lighting and high mast area lighting)   4. Traffic signals   5. Industrial / warehousing   6. Domestic   7. If other, please specify |  |
| 6 | Please provide your details.    Are you a rated researcher? If so, please provide your NRF rating. | Name:  Position:  Organisation:  Cell number:  Email:  NRF rating: |
| 7 | Please provide a short biography (3-6 lines). |  |
| 8 | Please provide a short description of the focus of your research.   * 1. Summarise the topic.   2. What aspect of lighting are you focused on?   3. What are the potential impacts of your research? |  |
| 9 | Please provide a list of all recent (from 2015) published papers or articles of which you are an author. |  |
| 10 | Please provide references to any other researchers/organisations in South Africa in the energy efficiency lighting research field.  Are you collaborating with any international institutions/universities? | Name:  Email address: |
| 11 | (Optional) Please include/share any other information you think would be valuable in this project. |  |
| 12 | (Optional) What, in your opinion, are the research gaps concerning EE lighting research in South Africa which is not already mentioned above? |  |
| 13 | (Optional) What are your recommendations for EE lighting research? |  |

Thank you for your collaboration. We look forward to hearing from you!

For any queries, please contact:

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| Name | Email | Cell number |
| Stephen Reynders | [stephen.reynders@smec.com](mailto:Stephen.Reynders@smec.com) | 083 468 3427 |
| Krishna Chetty | krishna.chetty@smec.com | 060 838 7092 |
| Bianca Harber | [bianca.harber@smec.com](mailto:Bianca.Harber@smec.com) | 076 696 1473 |