**2019 ABEC Design Competition**

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**Second stage submission form**

Deadline: **June 21st , 2019**

**General instructions**

* You must choose a generic name for your technology. Please do not use the brand name, website, or company name in your answers, except where specifically requested. Please make sure that no brand names, company names, or company symbols are visible in the picture of your technology.
* To be considered, please fill out all fields. If not relevant to your technology, please state N/A. Fields which are not mandatory s are indicated with “\*”
* For questions requesting pictures, drawings, or evidence, please either provide references or attach the documents as separate items when submitting this form.
* Please return to us by email to info@abec-africa.org
1. the filled in .pdf file of this submission form;
2. any files containing pictures, videos, and blueprints of your devices;
3. if files’ size are over 4MB, please provide in the email the download link using your preferred provider (e.g. DropBox, GDrive, …)

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| **General Information** |
| 1. Project Title: |       |
| 2. Institution of origin: |       |
| 3. Country of origin |       |
| 4. Contact person: | First name: | Surname: |
| e-mail address: |

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| **A - Health technology details***Please use the* ***generic*** *name for your technology throughout this format . The generic name must not contain brand or company name.* |
| 1. Generic name  |       |
| 2. Generic one-sentence description of technology |       |

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| **B - Health problem addressed and target population** |
| 1. Summary of health problem*Please provide a comprehensive summary of the maternal or child mortality health problem(s) that your technology aims to address, the scale of the problem(s) in the region(s) where it is intended for use, and the target population. This could include the number of people affected, an assessment of the quality of life of those affected, curability of the disease, etc. Include relevant statistical data and references where possible* ***(10-70 words)****.*      |
| Reference(s):       |
| If attachment included, please specify file name:       |
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| **C - Health technology description and functionality** |
| 1. Description of proposed solution*Please provide a concise technical explanation of the parts of your technology and the functional mechanism. If possible, please provide references to support your answer* ***(50-100 words)****.*       |
| Reference(s):  |
| If attachment included, please specify file name:  |
|       |
| 2. Images, videos and blueprints of technology*If relevant, please attach one to four high pictures of the technology.* |
| File name of the image(s):  |

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| **D**. **Operating steps** |
| 1. Operation of health technology*Please provide a step-by-step explanation of the operation of your technology so that potential users can understand the level of difficulty of operating it* ***(10-70 words)****.*       |

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| **E - Developer’s claims of technology benefits** |
| 1. Existing solutions (if any) and advantages of new technology*Please provide a summary of existing state-of-the-art and/or currently commonly used technologies or methods (if any) that are available to address the target health problem(s) in the target region(s). Describe the shortcomings of the existing technologies and explain why your technology is an improvement over current best practice. This may include increased ease of use, less maintenance, better acceptability in a local context, reduced resource requirements, etc.* ***(10-70 words)****.*      |
| Reference(s):  |

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| **F – User and environment** |
| 1. Who is the intended user? | Self-use/patientPhysicianTechnician | NurseMidwifeFamily member |  Other:  |
| 2. Is training required in addition to the expected skill level of the intended user?  |  Yes No |
| 3. If training is required, please describe who will deliver the training and the materials and time required for the training. |       |
| 4. Is any maintenance or calibration required by the user at the time of use? |  Yes No |
| 5. Where will the technology be used? | Rural settingsUrban settingsOutdoorsIndoors | At homePrimary level (health post, health center)Secondary level (general hospital)Tertiary level (specialist hospital) |
| 6. Ease of use *Please provide a description of any testing that has been conducted to establish ease of use* ***(10-70 words)****.* |
| Reference(s):       |
| If attachment included, please specify file name:       |
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| **G - Health technology specifications**  |
| 1. Dimensions (mm3): | mm x       mm x       mm |
| 2. Weight (kg): |       kg |
| 3. Does it require the use of consumables?For example, disposable batteries, disposable electrodes, etc.  |  Yes No |
| 4. If yes, please list the consumables: |       |
| 5. Estimated life time |       Days       Months       Years |
| 6. Estimated shelf life |       Days       Months       Years |
| 7. Can it have a telemedicine or eHealth application? |  Yes No |
| 8. Does it use any kind of software? |  Yes No |
| 9a. If yes, please describe the software, whether it is open source or proprietary, its use and/or license fee, etc. **(10-70 words).** |       |
| 9b. If yes, can the software be customized for local use? Please explain **(10-70 words)**. Include languages available. |       |
| 10. Is it portable? |  Installed and stationary Mobile (e.g. between wards) Portable (hand-held) |
| 11. Type of use: |  Single use Long term use Reusable Capital equipment |
| 12. Does the technology require maintenance?  |  No |  YesPlease specify type and frequency:      Can it be done on-site / home / community? Yes No |
| 13. If yes, who should provide maintenance? |  Self-user / Patient Nurse / Physician |  Engineer Manufacturer |  Technician Other:       |
| 14. Energy requirements |  Mechanical energy (e.g. manually powered) Batteries Power supply for recharging  If yes, voltage required:      V time required to recharge:       hours       minutes battery life with full charge:       hours       minutes Continuous power supply  If yes, voltage required:      V Solar power  If yes, time in sunlight required to charge:       hours       minutes battery life with full charge:       hours       minutes Other:       |
| 15. Facility requirements | Clean water supply Specific temperature and/or humidity range  If yes, please describe:      Clinical waste disposal facilities If yes, please describe:      Radiation isolation Gas supply  If yes, please describe:      Sterilization  If yes, please describe:      Access to the Internet Access to a cellular phone network Connection to a laptop/computer Accessible by car Additional sound / light control facilities Other:       |

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| **H – Regulatory status** |
| 1. Technical evaluation of technology*Please provide relevant information on norms and standards related to your technology* ***(10-70 words)****.* |
| Reference(s):       |
| If attachment included, please specify file name:       |
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| **I - Future work and challenges** |
| *Please provide information on your strategy and foreseen challenges to making your technology available and accessible to your intended user group. The publication is intended to generate dialogue between readers and applicants to contribute to the success of the technologies* ***(50-100 words).*** |
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| **J - Authors details** |
| Author 1 |
| Surname |       | First name:  |       |
| Gender | (*optional*) |
| Email address  |       |
| Telephone number | (*Please include country code.)*       |
| University |       |
| Consortium | UBORA – ABEC – NA  |
| University occupation | Bachelor student – Master Student – PhD Student – Professor – Technicians -Clinician |

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| Author 2 |
| Surname |       | First name:  |       |
| Gender | (*optional*) |
| Email address  |       |
| Telephone number | (*Please include country code.)*       |
| University |       |
| Consortium | UBORA – ABEC – NA  |
| University occupation | Bachelor student – Master Student – PhD Student – Professor – Technicians-Clinician  |

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| Author 3 |
| Surname |       | First name:  |       |
| Gender | (*optional*) |
| Email address  |       |
| Telephone number | (*Please include country code.)*       |
| University |       |
| Consortium | UBORA – ABEC – NA  |
| University occupation | Bachelor student – Master Student – PhD Student – Professor – Technicians-Clinician  |

(Please multiply for each author)

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| **K – How did you discover ABEC Design Competition?** |
|  university lecture friends website Facebook Twitter other (specify)………………………………………………………………………………………………………………………………. |

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| **L - Additional information**  |
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