

TODAYS PRESENTERS |

Luc Wing | Microdesk Solution Specialist | Sustainability Specialist | BPA
Geoffrey Tears | Microdesk Solutions Specialist | Sustainability Researcher
Allison Denisky | Build Healt International

AGENDA |

- * Learn how we utilized CFD for passive design.
- * Discover how we applied generative design.
- * Learn how to apply generative design and how to identify a goal.
- * Learn about concepts and strategies of a generative design process.

Learning Objectives |

- * Learn how we utilized CFD for passive design.
- * Discover how we applied generative design.
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OUR DRIVE | GUS

- * Globalization
- * Urbanization
- * Sustainability

About Build Health International (BHI)

Maternal Center of Excellence | Kono, Sierra Leone

- * SIERRA LEONE |
- * KOIDU, KONO |
- * KOIDU GOVERNMENT HOSPITAL | (KGH)
- * MATERNAL CENTER OF EXCELLENCE | (MCoE)
- * GENERAL PROJECT CHALLENGES | HEAT & SOLAR
- * GENERAL PROJECT CHALLENGES | RAIN
- * GENERAL PROJECT CHALLENGES | ENERGY

CLIMATE STUDIES |

Gathered from Meteoblue and Climate Consultant

PROJECT DATA SHEET |

Microdesk has templates for PDIG and MDIP and can help create documentation for your firm deliverable and to track data for a robust sustainable database.

WIND STUDIES |

Used FD for initial studies to understand areas advantageous for louvers to promote our passive strategies.

We followed up with Ingrid cloud to obtain quantitative data and comfort levels on a more developed design.

Benchmarking |

Analog - Physical

Analog – Digital

Analog – Digital w/Dynamo

Analog – Digital w/Dynamo

COMPUTATIONAL – Digital w/Dynamo

COMPUTATIONAL – Digital w/Dynamo

COMPUTATIONAL – Digital w/Dynamo

Leveraging Revit Data w/ Dynamo

Generative Design – Results

COMPUTATIONAL – Digital w/Dynamo

COMPUTATIONAL – Digital w/Dynamo

COMPUTATIONAL – Digital w/Dynamo

COMPUTATIONAL – Digital w/Dynamo

What is Possible?

Generative Design - Discovery

Moving Forward

THANKS!

Does anyone have any questions?

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