

GREEN POWER

USING WASTE HEAT FROM DATACENTERS

PROJECT GOAL

DEVELOP A METHODOLOGY TO MEASURE HEAT, HUMIDITY AND AIRFLOW FROM DATACENTERS AND CREATE COMPUTER MODELS THAT CAN BE USED TO DESIGN AND EVALUATE GREENHOUSE AND ENERGY TRANSFER SOLUTIONS AND FIND A BALANCE BETWEEN WASTE HEAT AND OTHER ENERGY SOURCES FOR GREENHOUSE OPERATION IN **COLD CLIMATES**



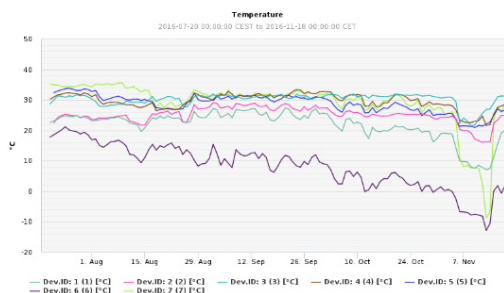
MUSHROOMS NEED LITTLE LIGHT AND HEAT



BODEN WANTS A WASTE HEAT HEATED GREENHOUSE FOR GROWING PARK FLOWERS, SOCIAL INTEGRATION, EDUCATION AND COMMERCIAL ACTIVITIES LIKE MUSHROOM GROWING

RESULTS SO FAR

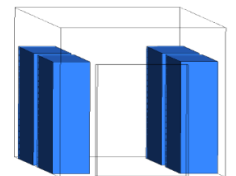
MEASURING TEMPERATURE AND HUMIDITY SINCE JULY



COMPUTER MODELLING OF MUSHROOM HOUSE AND ENERGY TRANSFER SOLUTION HAVE STARTED



OUR CASE:
THE HYDRO66 DATACENTER IN BODEN
CHALLENGE:
HOW TO COLLECT AND TRANSPORT LOW TEMPERATURE AIR?



COMPUTATIONAL FLUID DYNAMICS MODEL OF MUSHROOM HOUSE

PARTNERS

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