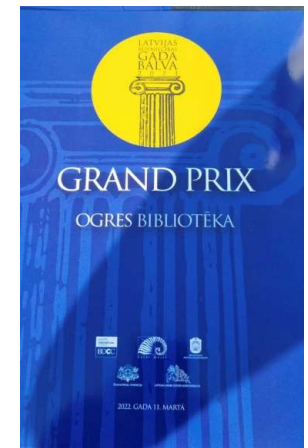
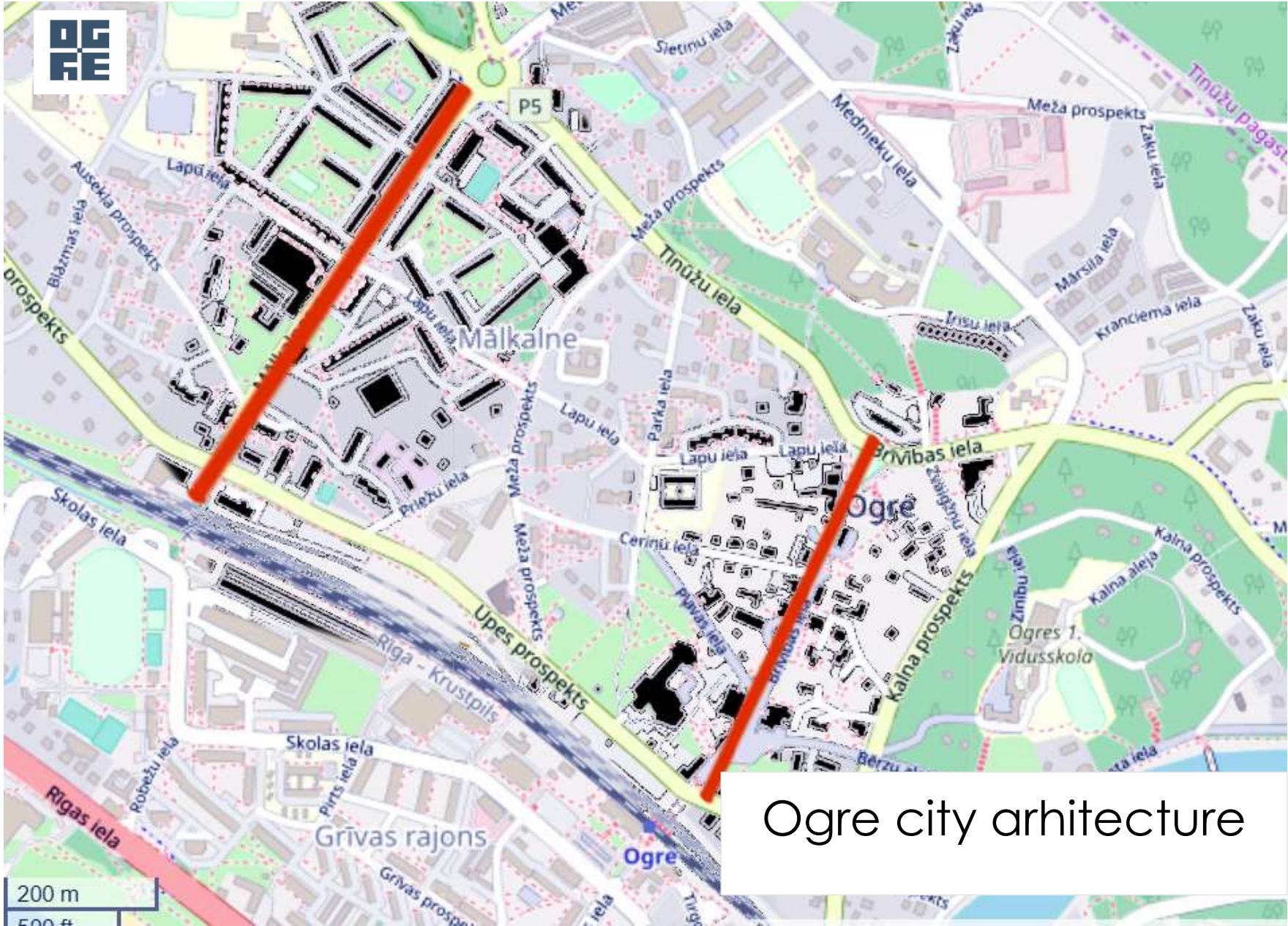




# Ogre Central Library – passive house with technologies

Edgars Asars  
Project Manager  
+37129150042





Ogre city architecture



Perspective of Malkalne street



BRĪVĪBAS STREET PERSPECTIVE



OLD BUILDING OF LIBRARY



# Materials

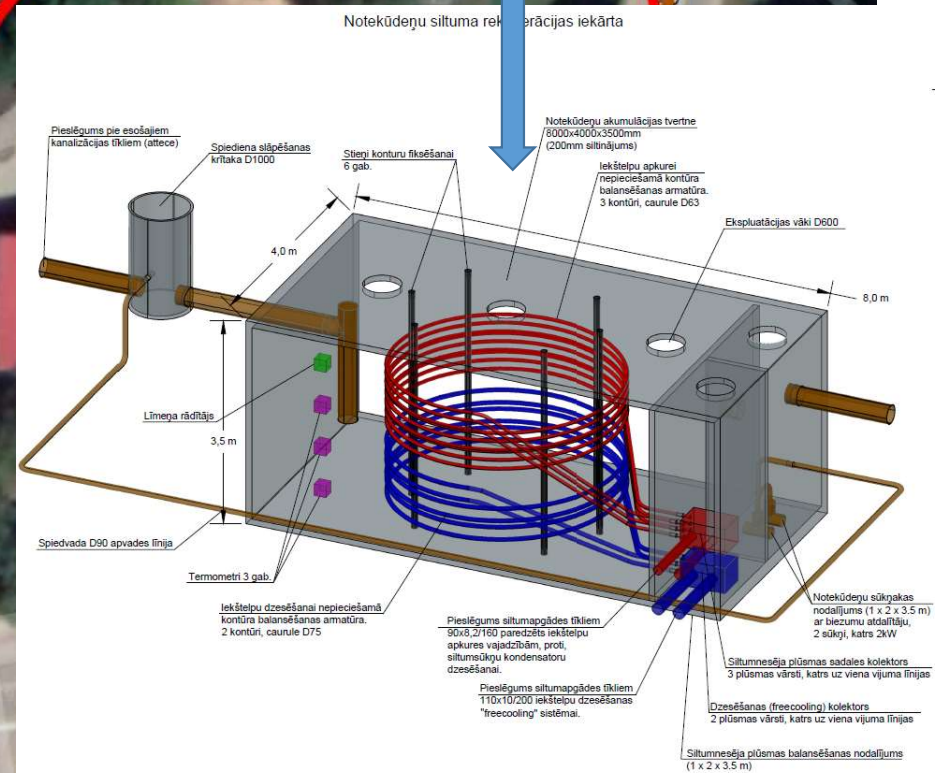


TITANZINC



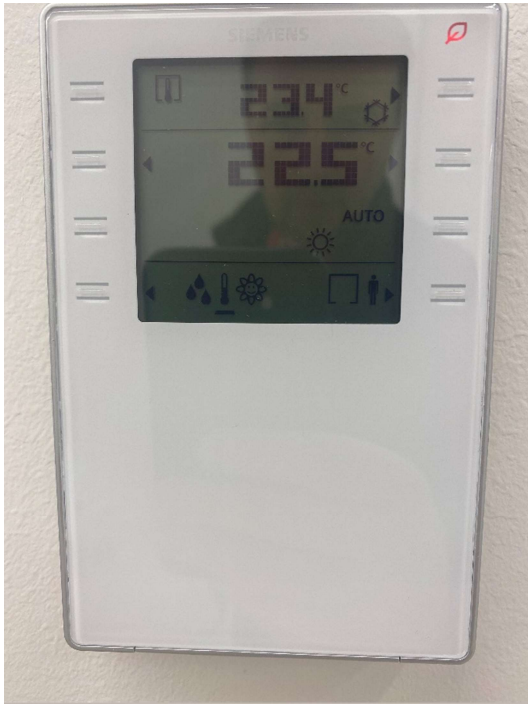
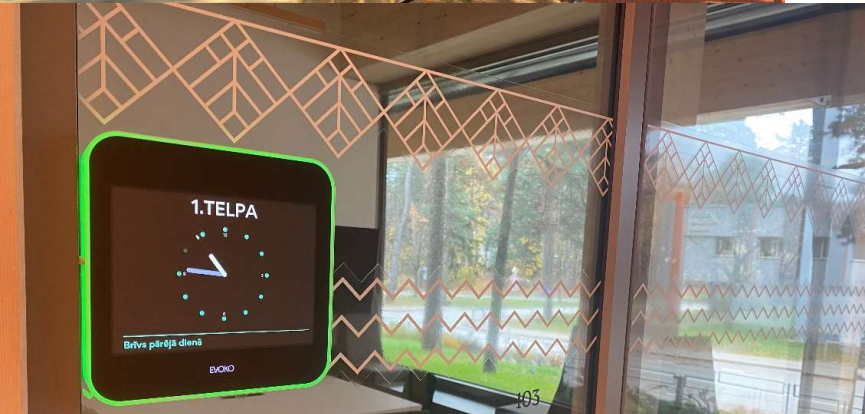
Wooden load-bearing structures

# HEATING SYSTEM





# Tehnologies

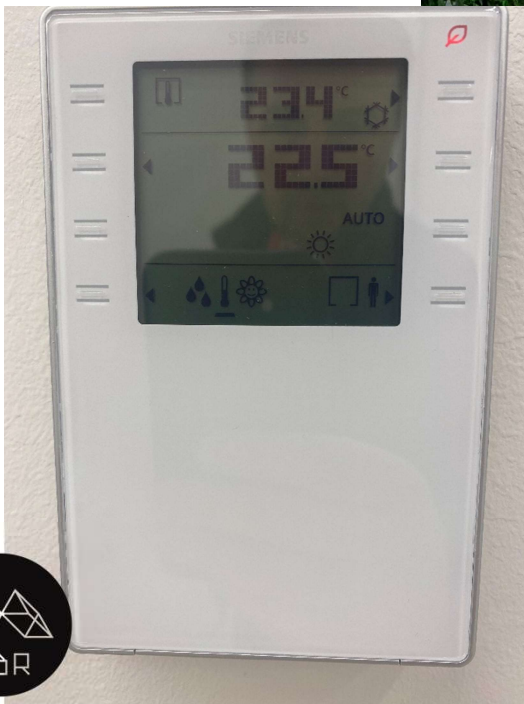




SOLAR PANELS 117  
CAR CHARGING STATIONS 2



LED LIGHTING, ADJUSTING INTENSITY  
ACCORDING TO THE AMOUNT OF DAYLIGHT  
AND THE PRESENCE OF VISITORS



INDOOR AIR QUALITY IS MEASURED -  
VENTILATION ADJUSTED

# PASSIVE HOUSE COOLING SOLUTIONS



BLINDS ON BUILDINGS WEST SIDE



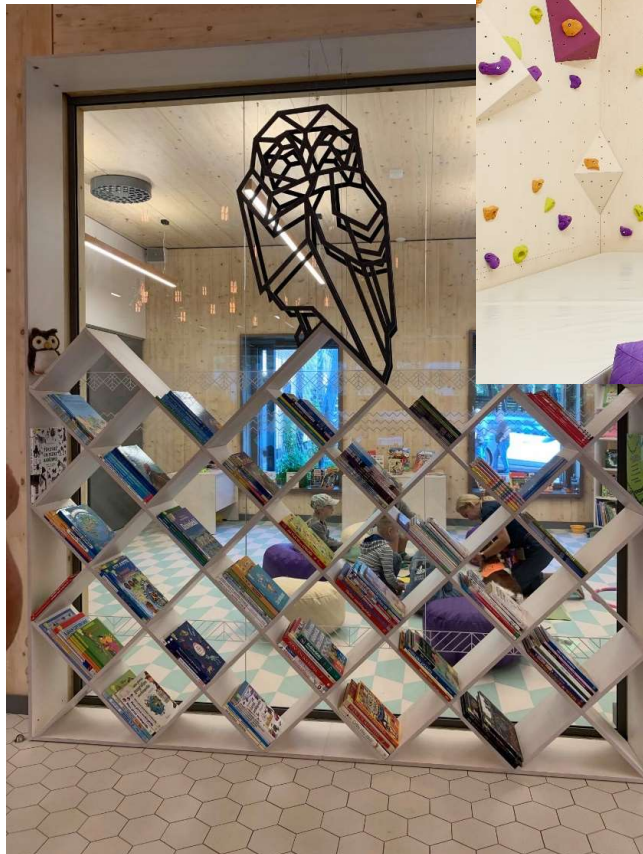
1. THE OVERHANG OF THE 1 ST AND 2ND FLOOR COVERINGS ON THE SOUTH SIDE



AUTOMATIC BLINDS  
ON WEST SIDE



NATURAL CLIMBING  
PLANTS COVERS  
FASADE ON EAST SIDE

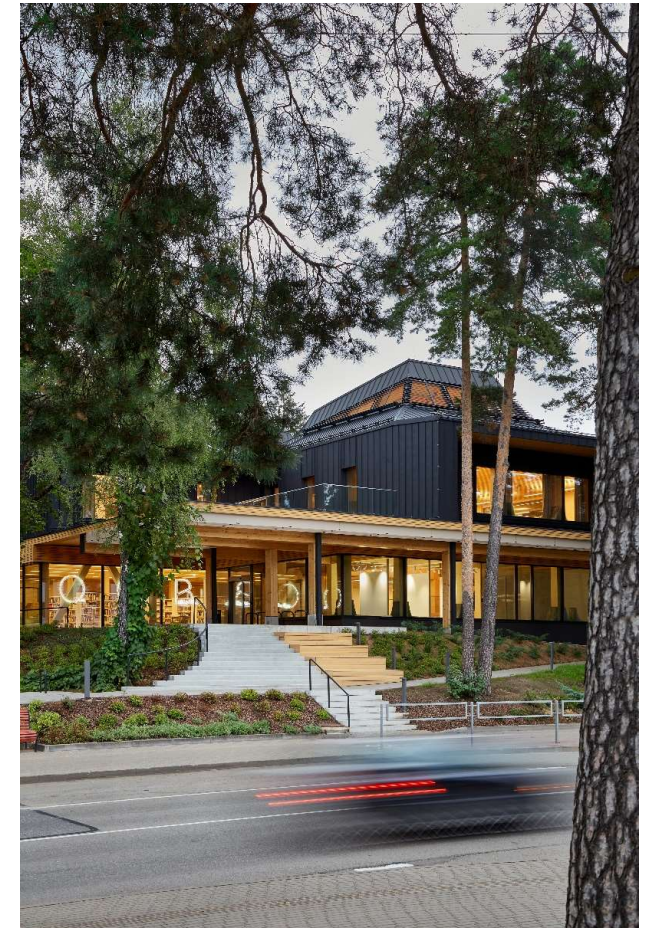


# CONCLUDIONS/CHALANGES

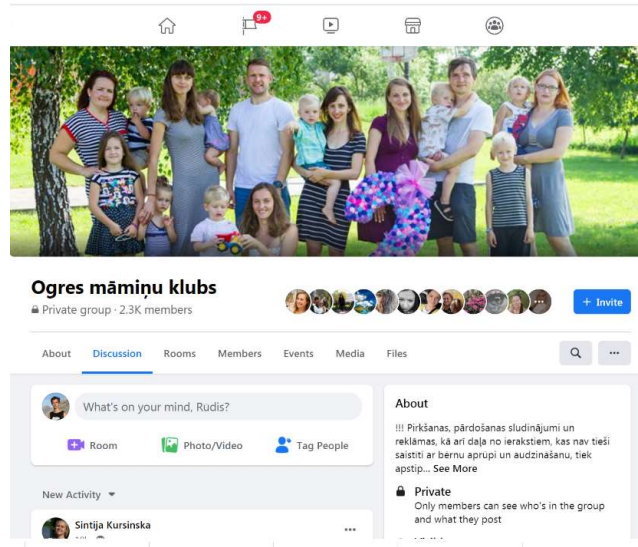
# SOLUTIONS FOR WOOD PROTECTION DURING CONSTRUCTION PERIOD



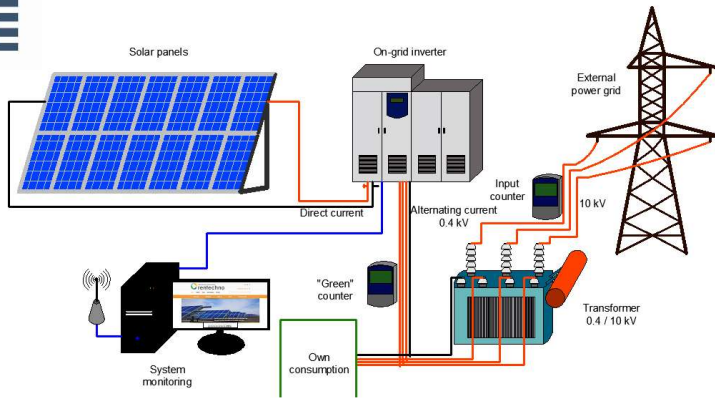




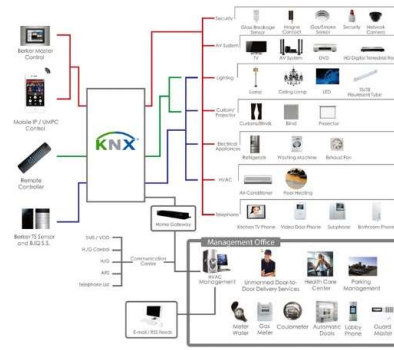
PRESERVATION OF THE ARCHITECTURAL CONCEPT INCLUDING PASSIVE BUILDING AND TECHNOLOGY REQUIREMENTS



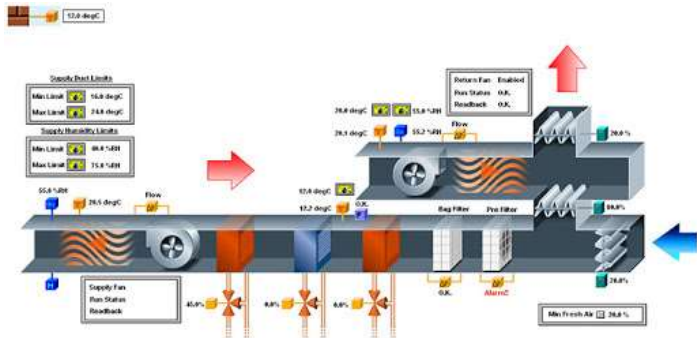
PUBLIC INVOLVEMENT IN THE DEVELOPMENT OF THE PROJECT TASK



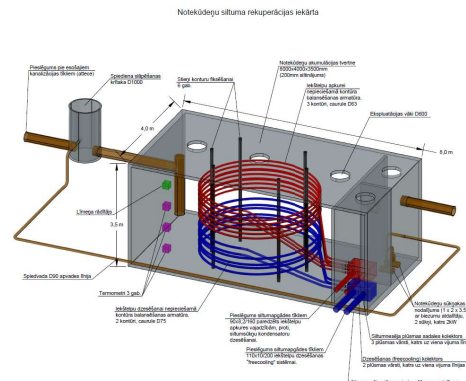
SOLAR PANELS



BMS



VENTILATION SOLUTIONS



HEAT EXCHANGE SYSTEM



TEHNOOĢY DEMONSTRATIONS

A CHALLENGE FOR DESIGNERS AND THE CUSTOMER ON THE TECHNOLOGICAL CHARACTERISTICS AND OPERATION OF VARIOUS SYSTEMS



TRUST IN THE VISION OF ARCHITECTS