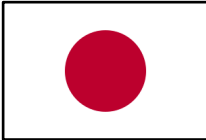
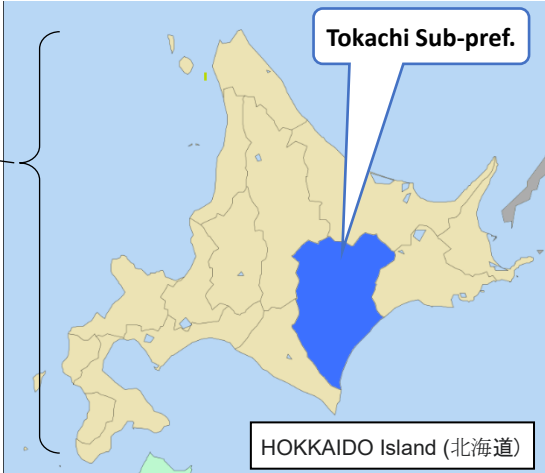


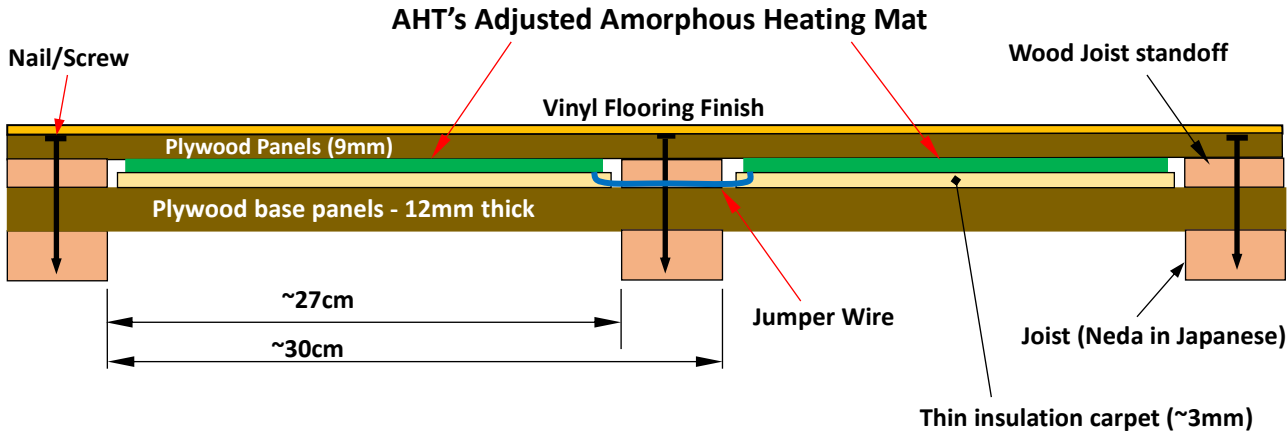
AHT's indoor heating mats installation under Vinyl flooring of Japanese detached house located in Hokkaido Prefecture - one of Japan's coldest places.



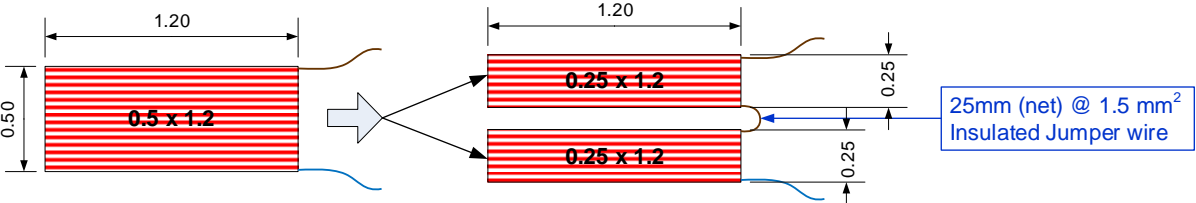
株式会社 カメダデンキ 
 KAMEDA
 Kameda Denki Co., Ltd.



This project demonstrates a conversion of detached house unheated kitchen's wood flooring into an AHT's underfloor heating system with Vinyl flooring finish just as add-on to an existing condition yet levelled up the flooring surface by as little as ~14mm of its previous level as depicted below.



Vinyl flooring layer was adhered to the Plywood panels top surface
Plywood panels are nailed on 30cm pitch (as depicted above) to the joist standoffs.
AHT's standard heating mats size were modified at AHT's factory to meet the Japanese flooring standard by implementing the following concept:



and were installed in a detached house's kitchen, located in the vicinity of Obihiro city – the capital of “Tokachi” sub-prefecture in Hokkaido prefecture where winter's sub-zero temperatures are notorious (January temp. ranges from -12°C to -4°C) and snowfall is common. The following selection of photos exhibit a perfectly done neat installation in compliance with Japanese construction Standard formfactors “shakkanhō” (尺貫法).

The location



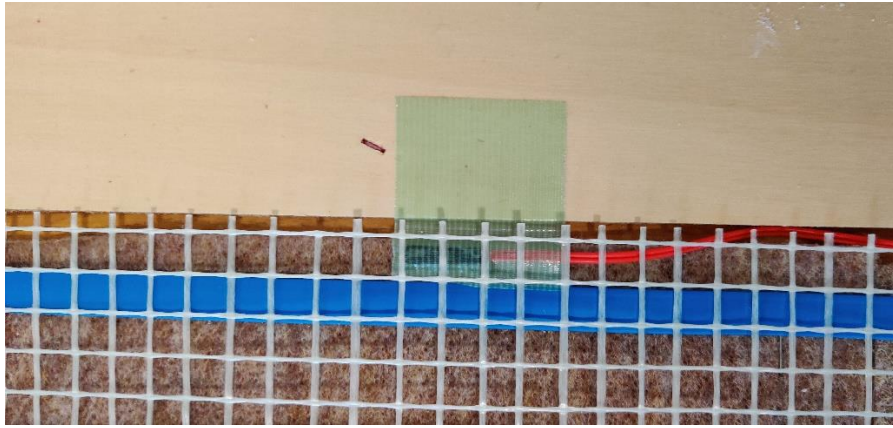
“Insulation Carpets” to insulate underneath the heating mats



Heating Mats placement and fixation (overall thickness 5.5mm)



Floor Temperature Sensor placement



Install the Plywood panels to cover Joists and heating mats
(total thickness – 14mm)





Apply 2.2mm thick Vinyl Flooring Finish layer

