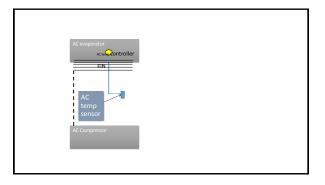
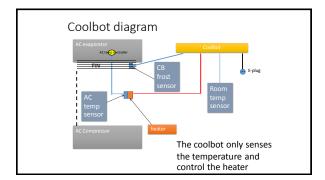
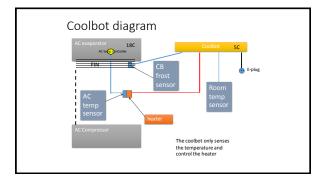
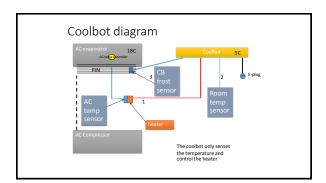
## • Experiences with the Coolbot

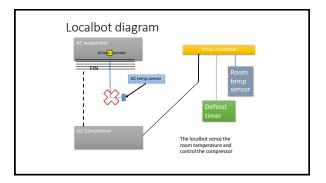
- The idea is to use the home air-conditioner unit
  - instead of the regular cold room unit
- Five times cheaper for the cooling unit cost
- Not the room cost
- Not the energy cost

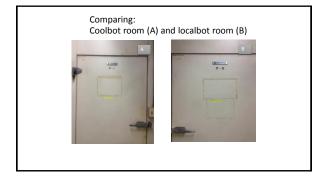






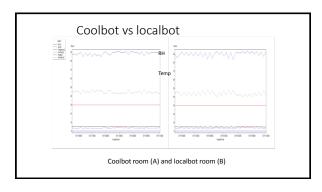












- $\ensuremath{\mathsf{1}}.$  Coolbot is easier to use, not more expensive
- 2. Installation of the AC unit is very important

The evaporator of AC is smaller than that of the cold room

The temperature of AC evaporator is colder than temperature of regular cold room evaporator More water condensed and moved out (14%)

3. Need to add moisture or using plastic bag















One inch polyurethane insulation





5. Electricity was not stable

6. Cable was too small

Work on insulation is needed to get affordable cold room











- HortCRSP
   Kasetsart University
   Nakhon Si-Thammarat Community Enterprise
   Chanthaburi Horticultural Research Center

