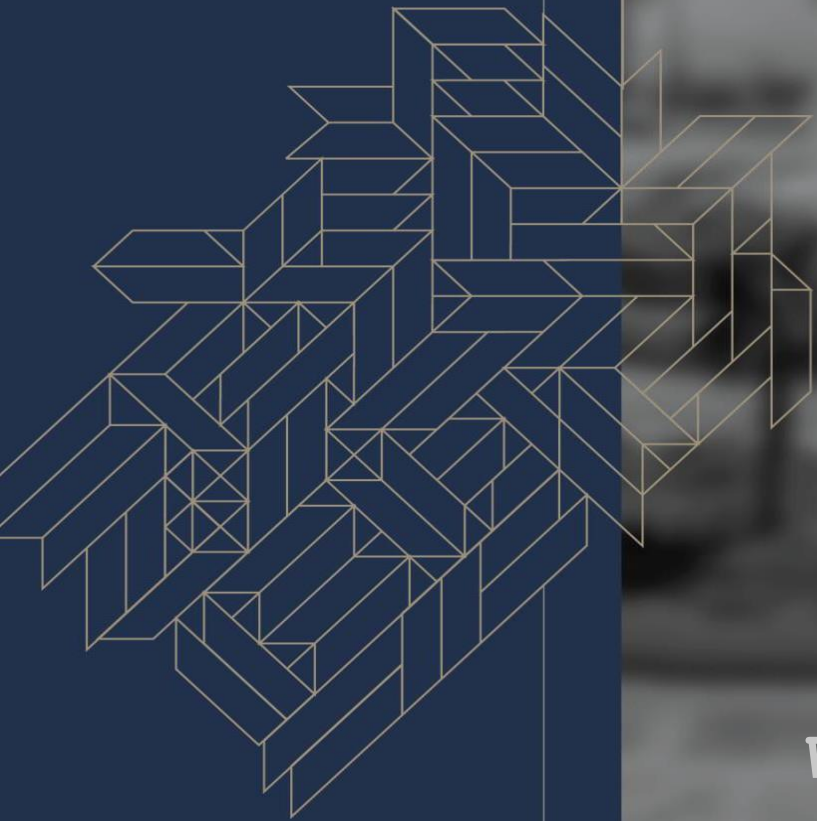




جامعة الإمام عبد الرحمن بن فيصل
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY



SDG 6.5.4

Water extraction
technologies

2022-2023



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1. Rain Water Extraction



Place for Rainwater Harvest at IAU, KSA



Place for Rainwater Harvest at IAU, KSA

2. Water Extraction and saving in Storage tanks



Brakish water well Reverse osmosis desalination, IAU, KSA

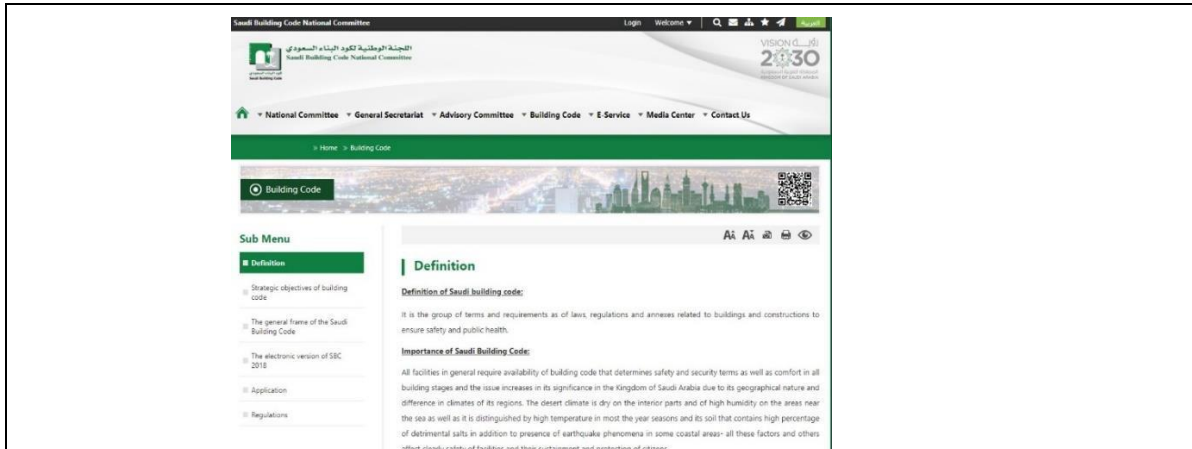


3. Water Extraction Plant



Water extraction plant at IAU

4. Water extraction technologies on associated university grounds



Snapshot of Saudi Building Code National Committee's website



Example of Green Building Implementation – efforts in IAU, The cultivation of Nano Plants

Description:

All buildings of the IAU Campus fulfil the requirements of the Saudi Building Code National Standard for construction of buildings, whereby many of our building follow the international building standard code, which is of much higher standard.

As stated in Saudi Building Code that “all facilities in general require availability of building code that determines safety and security terms as well as comfort in all building stages and the issue increases in its significance in the Kingdom of Saudi Arabia due to its geographical nature and difference in climates of its regions. The desert climate is dry on the interior parts and of high humidity on the areas near the sea as well as it is distinguished by high temperature in most the year seasons and its soil that contains high percentage of detrimental salts in addition to presence of earthquake phenomena in some coastal areas- all these factors and others affect clearly safety of facilities and their sustainment and protection of citizens.”



As far as Green Building implementation is concern, one of the steps IAU had started implemented that is the cultivation of invented nono - plants in IAU as a tool for removal of air pollutants.

**Additional
evidence link:**

<https://www.sbc.gov.sa/En/BuildingCode/>

