



## Team Sapienza SDME

Join us as we embark on a journey to building a sustainable future participating in the [Solar Decathlon Middle East 2018](#)



With our project **ReStart4Smart** we aim to take on the new challenges of contemporary society that require a different way of designing, constructing, operating and upgrading the buildings we live in

[Read More](#)

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## HIGHLIGHTS



October 23rd-25th, 2017

Team Sapienza SDME Architectural Model Presentation of **ReStart4Smart** at the Dubai Solar Show 2017 (WETEX). Watch the event [photogallery](#).

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November 13th, 2017

Team Sapienza SDME Official Presentation of **ReStart4Smart**, the House of the Future, at the Microsoft House in Milan. Watch the event [photogallery](#).

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## LATEST EVENTS



Team Sapienza participated to the Solar Decathlon Middle East 2018 Second International Workshop, held at Hyatt Regency Dubai Creek Heights on April 16th-18th. Watch the event [photogallery](#).

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The last episode of Il Posto Giusto hosted an exclusive focus on Team Sapienza's **ReStart4Smart** project, and went on the air on April 22 on Italian Television Station RAI 3, achieving resounding success. Watch [full episode](#).

## LATEST NEWS



Works at Team Sapienza construction site in Pomezia are progressing fast: plumbing phase is officially complete! REDI water tanks and VIEGA pipes are fully implemented and already ready for the first tests.



Thanks to our Partner ENEL, Team Sapienza will be equipped with a customized Nissan Leaf, an all-electric car that will allow EV simulations and measures in Rome, to get ready for the final contest in November 2018 in Dubai.

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## Media Appearances

[Forme d'Acqua](#)

[Sapienza Università di Roma](#)

[Il Posto Giusto](#)

## Press Review

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## Press Release

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The participation to the Solar Decathlon competition is based on a close relationship with the world of companies and the public, with the purpose of promoting technological innovation and environmental sustainability and to guarantee, at the same time, technical and economical feasibility of the Solar Houses of the future.

ReStart4Smart project is **fully supported by institutions, industrial and media partners** of excellence in order to guarantee the most advanced and innovative solutions and the widest reach to both professionals and public at large.



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Support Team Sapienza in the Solar Decathlon Middle East 2018 competition and help us promote energy efficiency, renewable sources and a more sustainable and innovative architecture. For information on supporting our Team, contact us at: [sponsorship@restart4smart.com](mailto:sponsorship@restart4smart.com)

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## HIGHLIGHTS

23<sup>rd</sup>-25<sup>th</sup> October 2017

### Dubai Solar Show 2017 – WETEX

Team Sapienza SDME has participated at the [Dubai Solar Show 2017](#), Region's Largest Sustainability & Renewable Energy Event, **during October 23-25 to showcase our architectural model and our project explanatory audiovisual along with the other 20 competing teams.**



Dubai Solar Show 2017 was held from 23<sup>rd</sup> October till 25<sup>th</sup> October 2017 at Dubai International Convention & Exhibition Centre (a part of the **Water, Energy, Technology, and Environment Exhibition (WETEX)**) organized by Dubai Electricity & Water Authority.



Dubai Solar Show highlighted the latest innovations in the solar energy field through offering a unique platform to forge partnerships between public and private sectors to develop innovative solutions. It has been a key platform for the public and private sectors to make deals, build partnerships, review the latest solar-energy technologies, learn about current and future projects in the region and market needs, and explore opportunities to take part in solar-energy projects and programmes.



Over 1,900 world leading brands represented at Dubai Solar Show & WETEX 2016 from Power, Water & Sustainability and Renewable sector in the Region's Largest Government Organized Trade Show for Power, Water and Environment Sector from over 48 countries with the exceptional visitor turnout of over 25,000 visitors from over 65 countries.

Dubai Solar Show & WETEX attracts the number of Sponsors with the specialized stand displays, with the focus on strengths, innovations and technologies to meet with the major Government Utility, participating companies and decision makers from Energy, Power and Water Industry.

## Photogallery



## HIGHLIGHTS

13<sup>th</sup> November 2017

### Team Sapienza unveils ReStart4Smart, the House of the Future – Microsoft House

Microsoft House hosted the event for the presentation of the House of the Future prototype “ReStart4Smart” by the Team from Sapienza University of Rome competing in the Solar Decathlon, the university sustainable architecture Olympics that, in 2018, will be hosted for the first time in the Middle East in Dubai with the participation of 21 Athenaeums from 15 countries from around the world. The main objective of the international competition, that sees the students as protagonists, is to design and build the best full-scale prototype of the house of the future: green, smart and completely powered by solar energy. A hard task, for which Team Sapienza found in the new technologies valid allies, thanks to the collaboration with respected IT players, among which [Microsoft](#), that opened the doors of its own location for the finalist Italian project presentation.



Through a revolutionary approach defined as Architecture 4.0, the project by Sapienza aims to apply and test the most advanced tools, materials and technologies now available in the construction industry with the purpose of building a sustainable house able to respond to the heavy demand of efficiency, comfort, safety and affordability set by the 21st century Architecture. Exploiting the huge and not yet explored potentials offered by digital modeling (BIM), mixed reality (virtual reality and augmented reality) and 3D-printing, the project will balance typological, construction and technological aspects focusing on design and innovative materials (XLam, Aerogel, PCM, Cool colors), renewable sources (OPV, LSC, Energy storage), as well as the latest generation systems and Home Automation devices and equipment (heat pump, smart lighting, smart kitchen, virtual assistant).



In particular, the significant partnership with Microsoft Italia, in addition to hosting the ReStart4Smart project presentation event, has contributed to the team success thanks to its technology, and is currently collaborating with Sapienza within a wider programme for the renovation of the educational offer that the first University of Rome, and in particular the Faculty of Architecture, aims to take forward in the next years. The main purpose is to empower the informatics tools available to the students and to introduce and experiment innovative digital ways of education provision as a support to the teaching and research activity, benefiting from Microsoft Student Advantage and Azure for Research programmes.



### Photogallery

### Video

## LATEST EVENTS

16<sup>th</sup>-18<sup>th</sup> April 2018

### SDME 2018 International Workshop 2 – Dubai

**Solar Decathlon Middle East International Workshop 2** was held at Hyatt Regency Dubai Creek Heights ([see location here](#)), representing a unique opportunity for the participating 21 teams to engage directly with the SDME organizers and to be introduced to the delicate operative phase of the competition. Objectives of the Workshop 2 were the presentation of important themes such as health and safety, transportation and logistics, site operation end equipment, as well as the official launch of the Solar Decathlon Middle East 2020, that will be a fundamental part of the highly expected EXPO 2020 that will be held in Dubai.



During the SDME International Workshop 2 the Decathletes had the opportunity to make a short presentation of their own team in front of an audience composed of government representatives, SDME organizers, sponsors and members of the press, and to share their own ideas through an interview, that allowed them to define the key-points of their participation to the Competition. Among the guests of the opening session, **His Excellence Saeed Mohammed Al Tayer**, MD and Ceo of Dubai Electricity and Water Authority (DEWA), **His Excellence Dr. Thani Ahmed Al Zeyoudi**, Minister of Climate Change and Environment (TBC), the Consul General of the United States of America in Dubai **Paul Malik** and the General **Consul of Italy to Dubai Valentina Setta**. Team Sapienza achieved resounding success with a great performance in the public presentation of the Team and the project ReStart4Smart.



On the last day the participating Teams had the opportunity to visit for the very first time the Solar Hai, that will host the 21 competing Solar Houses for the final phase of the competition in October 2018.



## Photogallery