



# Informational Webinar

October 20<sup>th</sup> 2016

<https://global.gotomeeting.com/join/166396045>

The Organizing Committee of Solar Decathlon China 2017

# Contents

- Contract Status
- Introduction of the Competition Site
- Requirements for Design Development and Scale Model
- Development of the Communication Mechanism
- Schedule of the Second Technical Training Workshop
- Q&A

# Contractual Status

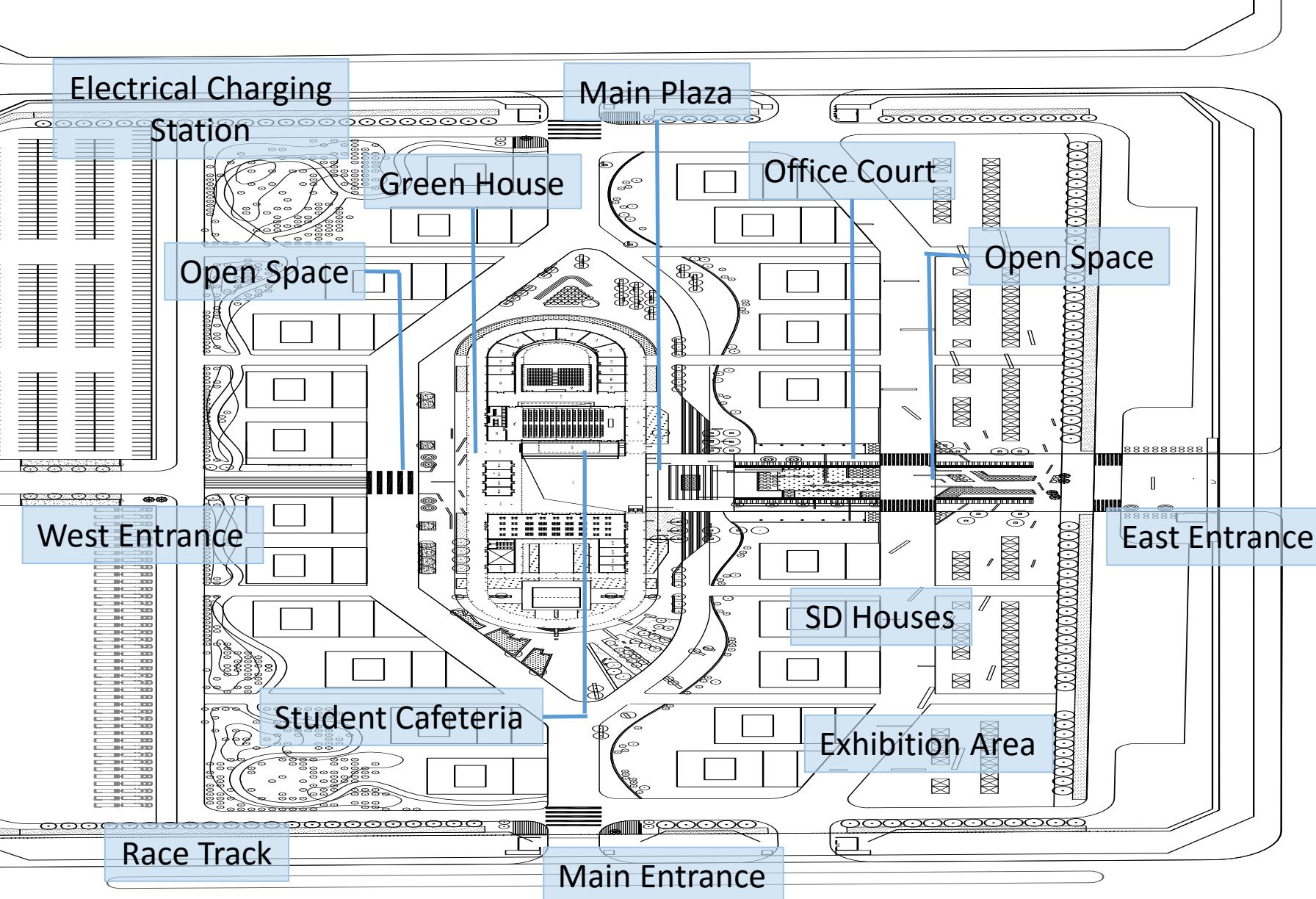
- Contracts been finished: **9** teams
- Contracts close to be finished: **12** teams
- Encouraging collaboration teams **share** the first startup fee, \$30,000

Deadline to finish all contracts: **November 15, 2016**

Birds Eye View, 鸟瞰



Solar Decathlon China 2017, Dezhou, Shandong  
2017中国国际太阳能十项全能竞赛场地 . 山东 . 德州



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## Core Values:

- Serve Colligate Teams and Visitors;
- Strengthen the Spirits of Solar Decathlon, Team Work, Global Collaboration, and Sustainability;
- Educate the General Public;

## Key Educational Features:

- Eight Themed Open Spaces
- Roof Gardens
- Ground Source Heat Pump
- Solar PV, Thermal Collectors, and Storage
- Modern Agriculture Demo
- Green House
- Day-lighting

## Sustainability:

- Zero Energy
- Zero Carbon Emission
- Zero Water Consumption

# Central Plaza & Main Auditorium

## 主广场及大报告厅



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# Student Cafeteria & Tower 主餐厅及观光塔



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# Green House & Water Recycling Plant 现代农业温室及污水处理中心



# Service Corridor 服务长廊



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Cafeteria Courtyard  
主餐厅内院



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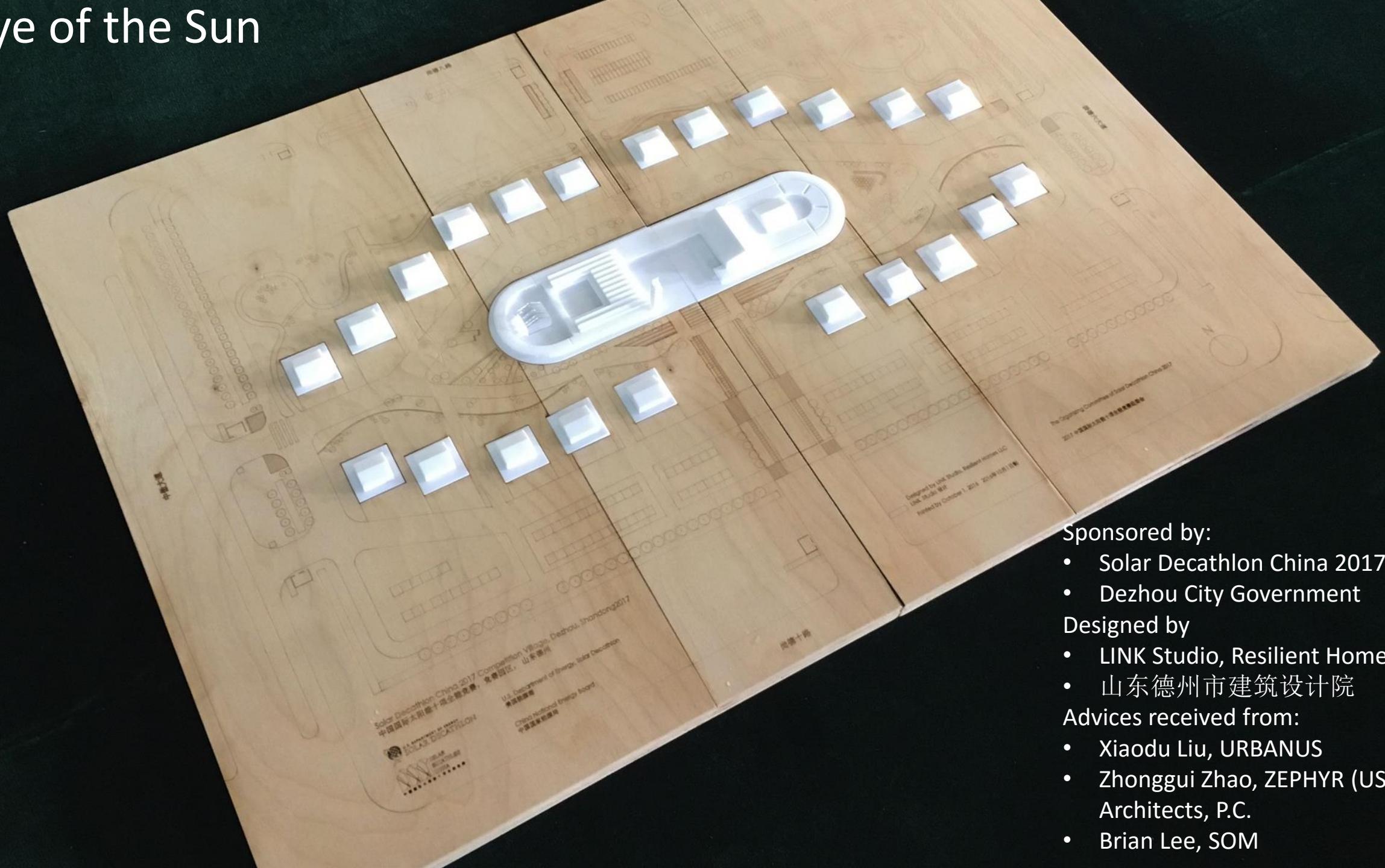
Office Court  
办公区内院



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# Eye of the Sun



The Organizing Committee of Solar Decathlon China 2017  
2017中国太阳能十项全能竞赛组委会

Designed by Link Studio, Resilient Homes LLC  
Link Studio LLC  
Printed by Colorbox 1, Jinan, 2017-08-15 11:19:00

Solar Decathlon China 2017 Competition Village, Dezhou, Shandong 2017  
中国太阳能十项全能竞赛，德州赛区，山东德州  
U.S. Department of Energy Solar Decathlon  
美国能源部  
China National Energy Board  
中国国家能源局

U.S. DEPARTMENT OF ENERGY  
SOLAR DECA

- Sponsored by:**
- Solar Decathlon China 2017
  - Dezhou City Government
- Designed by**
- LINK Studio, Resilient Homes LLC
  - 山东德州市建筑设计院
- Advices received from:**
- Xiaodu Liu, URBANUS
  - Zhonggui Zhao, ZEPHYR (US) Architects, P.C.
  - Brian Lee, SOM

**Please send your suggestion with a title “SUGGESTION TO SDC  
MASTERPLAN-TEAM NAME” to the following email:**

[support@sdchina.org.cn](mailto:support@sdchina.org.cn)

By November 15, 2016

Suggestion including, but not limited to: Function Advices, Design  
Comments, and Productions for Demo in SDC Campus , etc.

We will credit your suggestion in publicaitons if accepted for  
implementation.

# Requirements for Design Development

## D-4-a. Design Development Drawings

### *Format Requirements*

- Packaged into a single, bookmarked PDF document
- Up to 150 pages
- ISO "A3" (297 mm × 420 mm) sheet size

### *Content Requirements*

Design drawings, including at a minimum:

- General - including solar envelope compliance, accessible tour route, finished square footage, water delivery and removal compliance information, and constructed footprint calculations
- Site - including temporary footing locations, ground penetrations, and adjustable footings
- Landscape - including plantings, containers, and watering methodology

## D-4-b. Design Development Project Manual

### *Format Requirements*

- Packaged into a single, bookmarked PDF document
- ISO "A4" (210 mm × 297 mm) sheet size

### *Content Requirements*

- Project Overview
- Detailed Water Budget
- Interconnection Application Form, including summary of any unlisted electrical components

Appendix D-4-a

Appendix D-4-b

# Requirements for Scale Model

Each team shall build a detailed scale model of its project for display at the second technical training workshop.

## *Requirements*

- Teams are responsible for transporting their models to a designated location.
- The model shall be built at 1:25 scale.
- The model shall be built on a 1-m.-by-1-m. base. These dimensions are equivalent to the 25-m-by-25-m lot size at 1: 25 scale.
- In addition to the primary dwelling units, all exterior construction and site components shall be included in the model.

# Examples of Design Development Stage

- SIT Solar Decathlon 2015
  - Drawings
  - Project Manual
  - Environment, Health, and Safety Plan
- Two more Team Examples
  - Cal Poly
  - Texas & Germany

# Take an Example

# Development of the Communication Mechanism

## Monthly Informational Webinar (tentative)

- October 20, 2016, 10 AM Beijing Time
- November 15, 2016, 10 AM Beijing Time
- December 13, 2016, 10 AM Beijing Time

## Team Service Center Launched

- Updates, notice, and news
- Official documents download
- Questions and answers



## Schedule of the Second Technical Training Workshop

The Second Technical Training Session will be held during **January 13 to 16, 2017**.

- 13th – Register in Beijing Jiaotong University (stay for the night there)
- 14th morning – Participate in the activities held by Beijing Jiaotong University
- 14th afternoon – Leave for Dezhou by shuttles
- 15th to 16th morning – Attend the technical training workshop and forum
- 16th afternoon – Go back to Beijing by shuttles

## Schedule of team visits (onsite and/or remote)

The Organizing Committee is scheduling to visit each teams in the next two months,

- We will start from Southeast University (Yuan Tian lead) and UIUC (Prof. Yin lead) in this week and next, please let us know when is best time for our visit,
- Other scheduled visit including Hunan University in the second week of November,
- We want to help as much as we can for your success.

**Thank You!**

# Q & A