

# SHENZHEN EAST WASTE-TO-ENERGY PLANT

*SHENZHEN, KINA*





泸州市  
Luzhou

重庆市  
Chongqing

常德市  
Changde

长沙市  
Changsha

南昌市  
Nanchang

浙江  
ZHEJIANG

台州市  
Taizhou

温州市  
Wenzhou

怀化市  
Huaihua

湖南  
HUNAN

江西省  
JIANGXI

衡阳市  
Hengyang

吉安市  
Jian

宁德市  
Ningde

毕节市  
Bijie

贵州省  
GUIZHOU

贵阳市  
Guiyang

黔南布依族  
苗族自治州  
Qiannan

郴州市  
Chenzhou

福州市  
Fuzhou

昭通市  
Zhaotong

安顺市  
Anshun

桂林市  
Guilin

福建  
FUJIAN

昆明市  
Kunming

曲靖市  
Qujing

河池市  
Hechi

漳州市  
Zhangzhou

泉州市  
Quanzhou

臺北市  
Taipei

玉溪市  
Yuxi

广西壮族  
自治区  
GUANGXI

广东  
GUANGDONG

揭阳市  
Jieyang

厦门市  
Xiamen

台灣  
Taiwan

南宁市  
Nanning

贵港市  
Guigang

广州市  
Guangzhou

汕头市  
Shantou

高雄市  
Kaohsiung  
City

Tp. Lào Cai

崇左市  
Chongzuo

钦州市  
Qinzhou

茂名市  
Maoming

Hong Kong  
澳門  
Macau

Hà Nội

Hải Phòng

湛江市  
Zhanjiang

海口市  
Haikou

Tp. Thanh  
Hoá

ເທດລາວ  
Laos

海南  
HAINAN

三亚市

Tp. Vinh

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International Low-carbon City  
国际低碳城

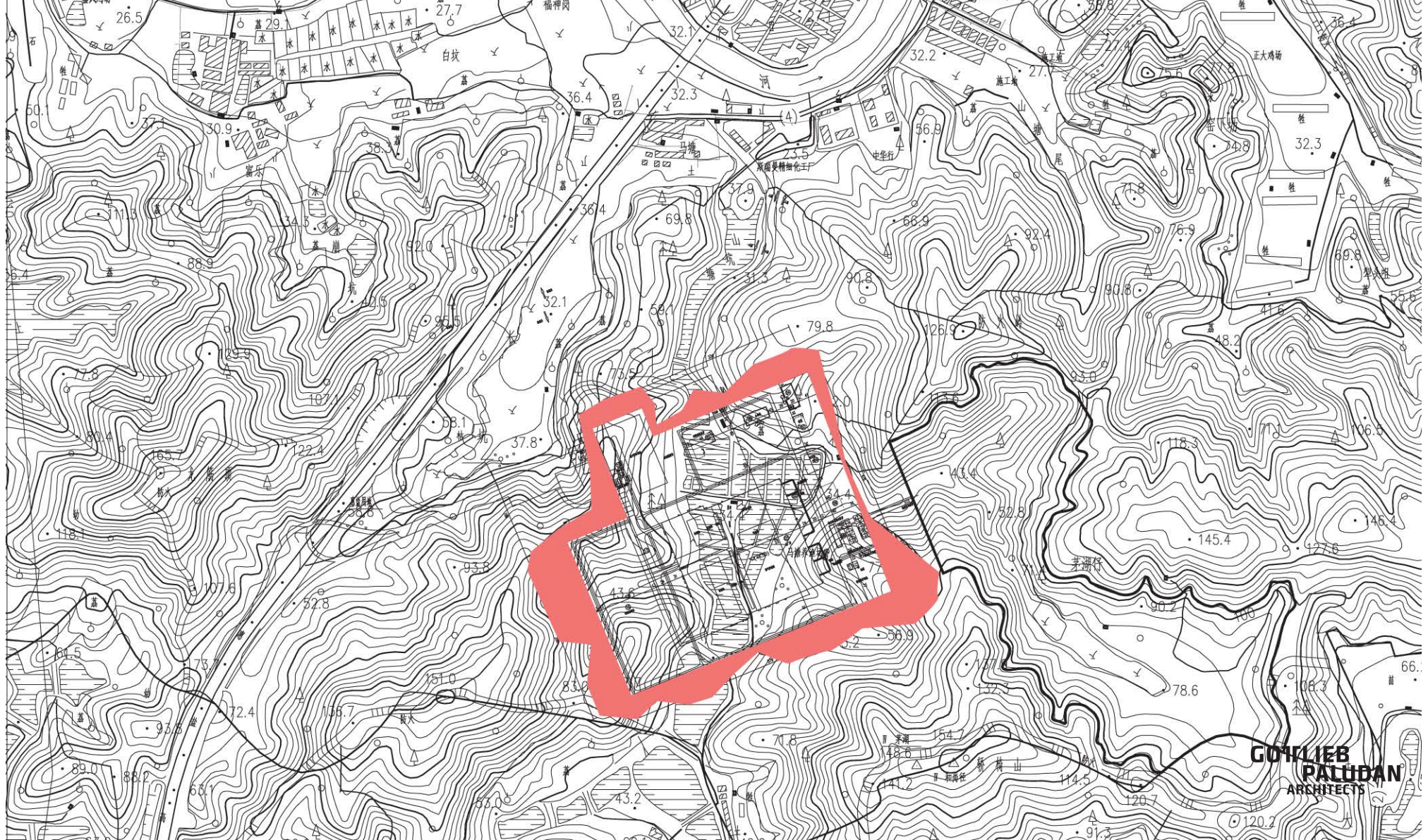
Energy Saving and Environmental  
Industrial Park  
环保产业园

Headquarter Base  
总部基地

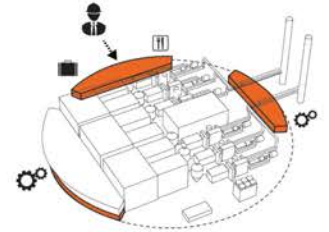
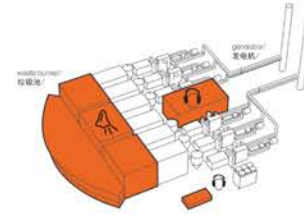
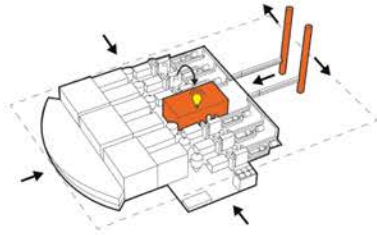
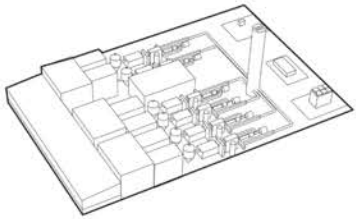
East Project  
东部项目  
265927.99 m<sup>2</sup>

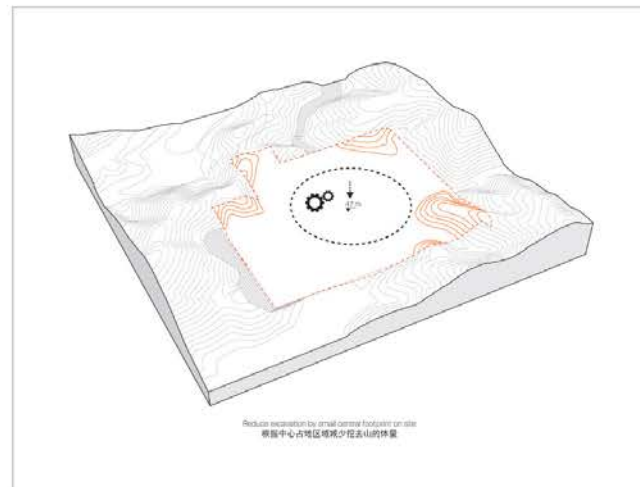


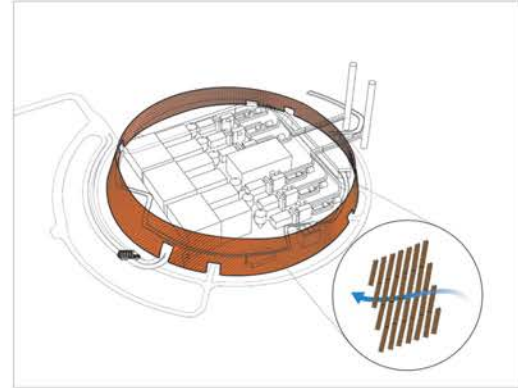
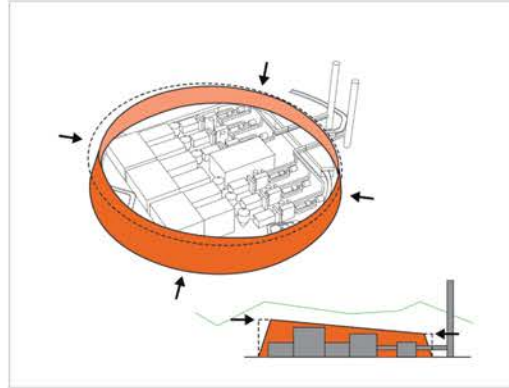
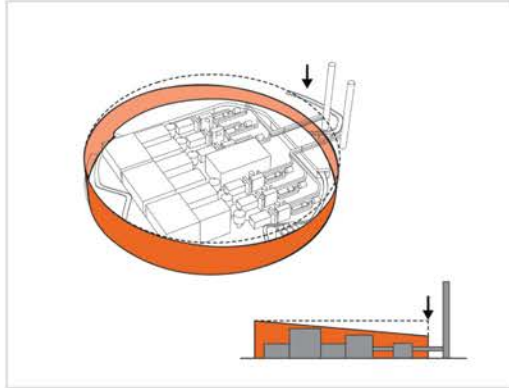
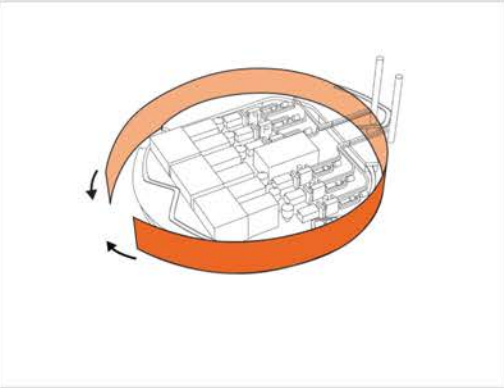


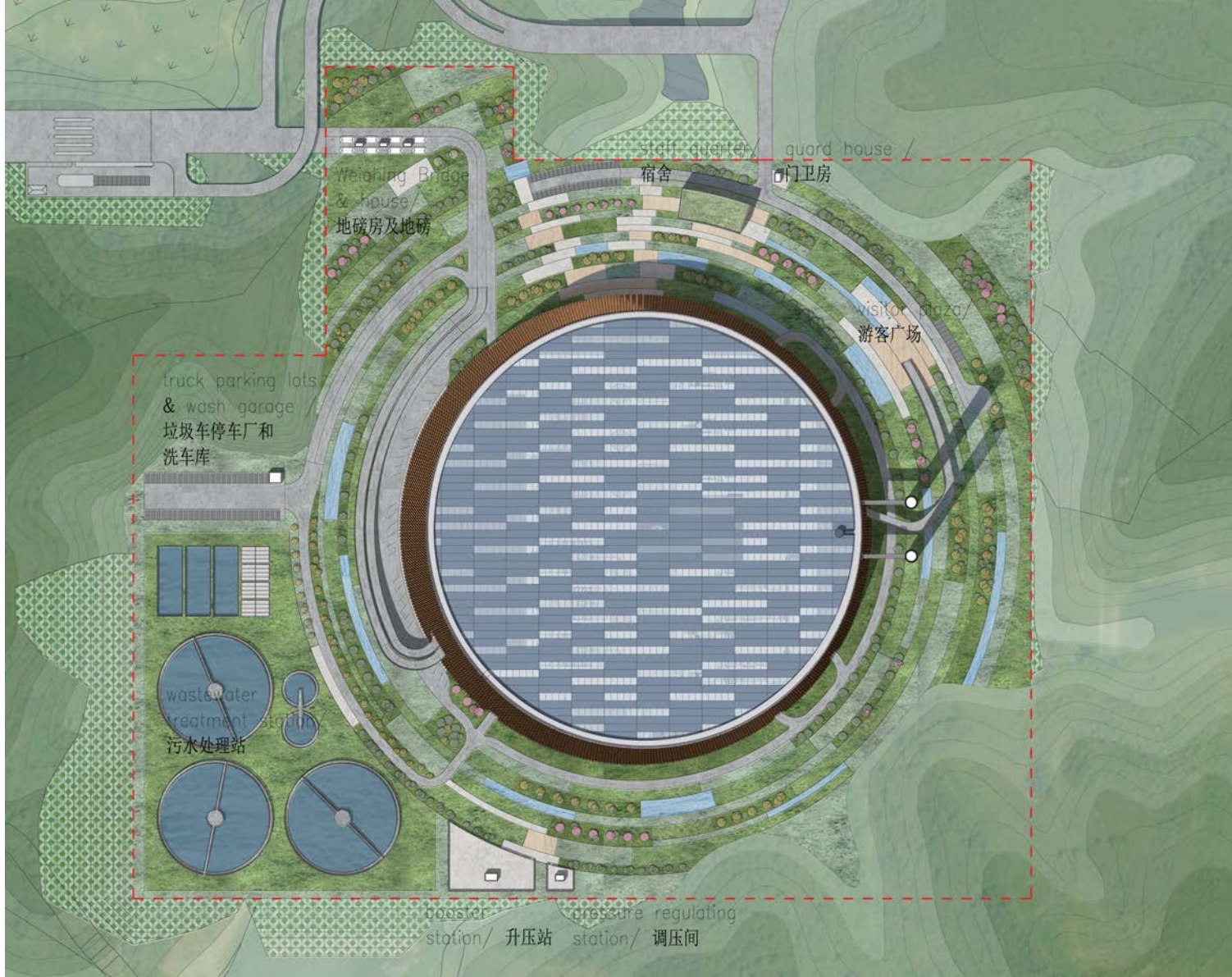


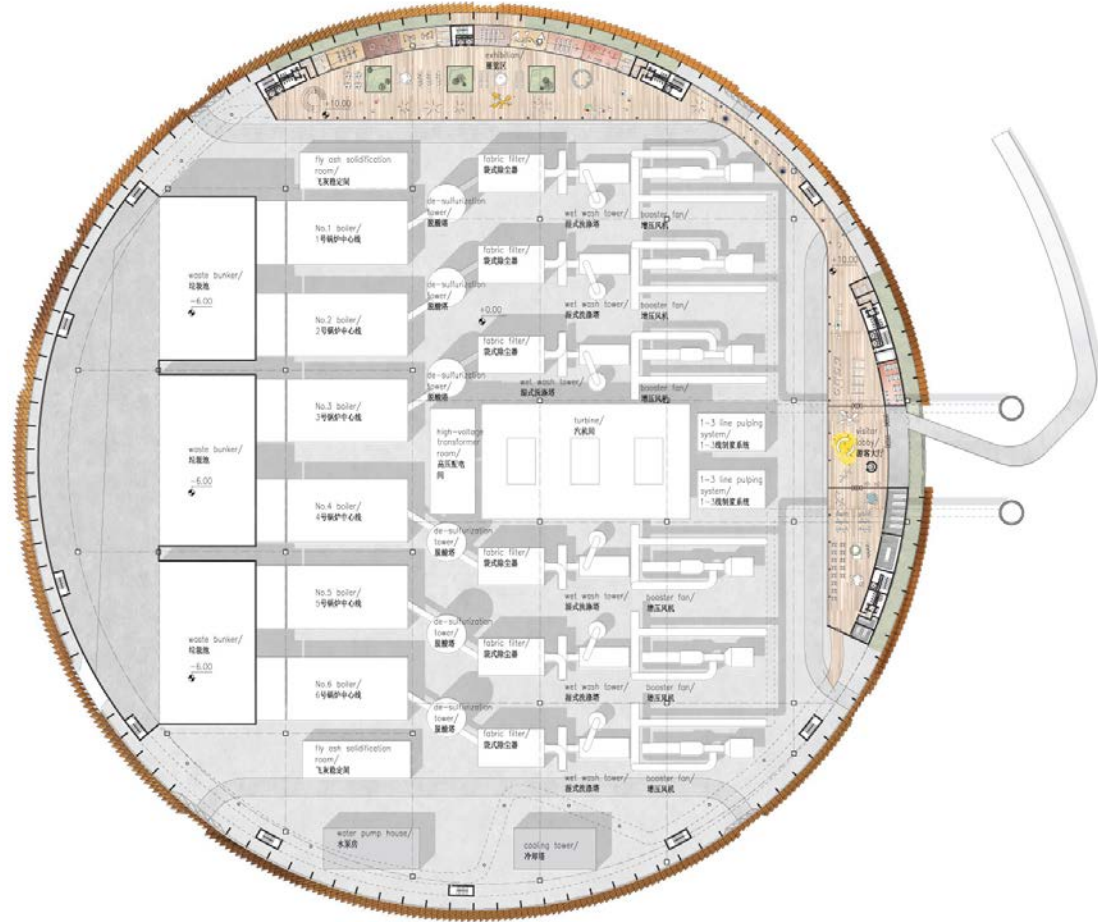


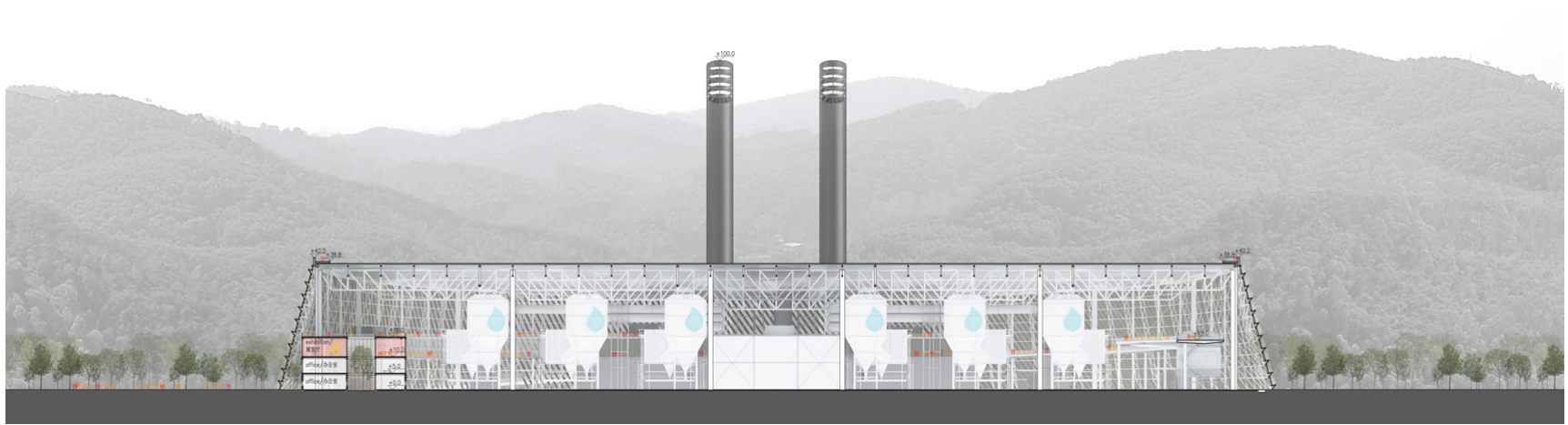
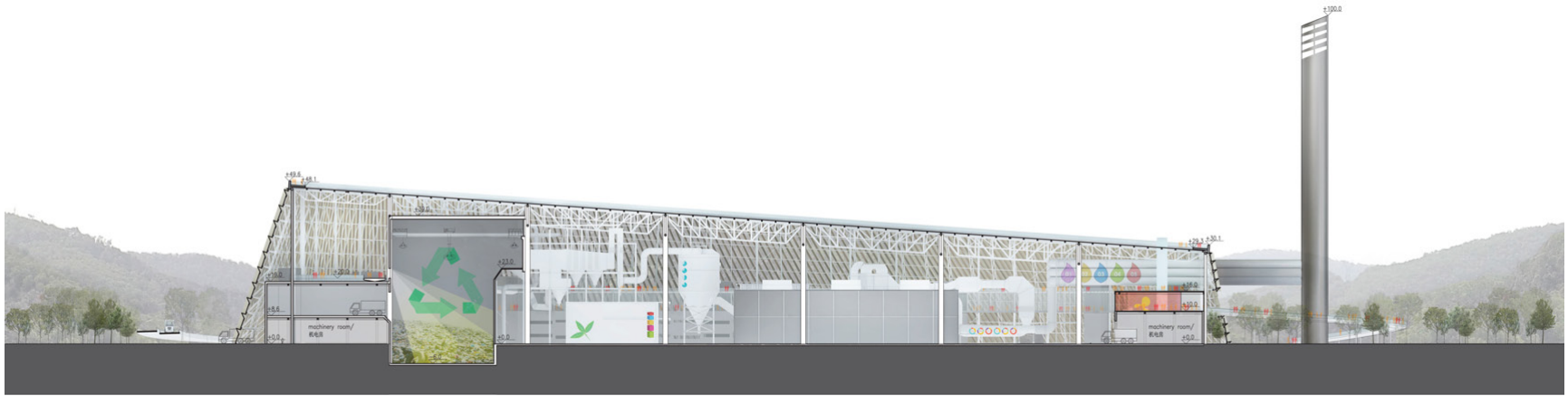












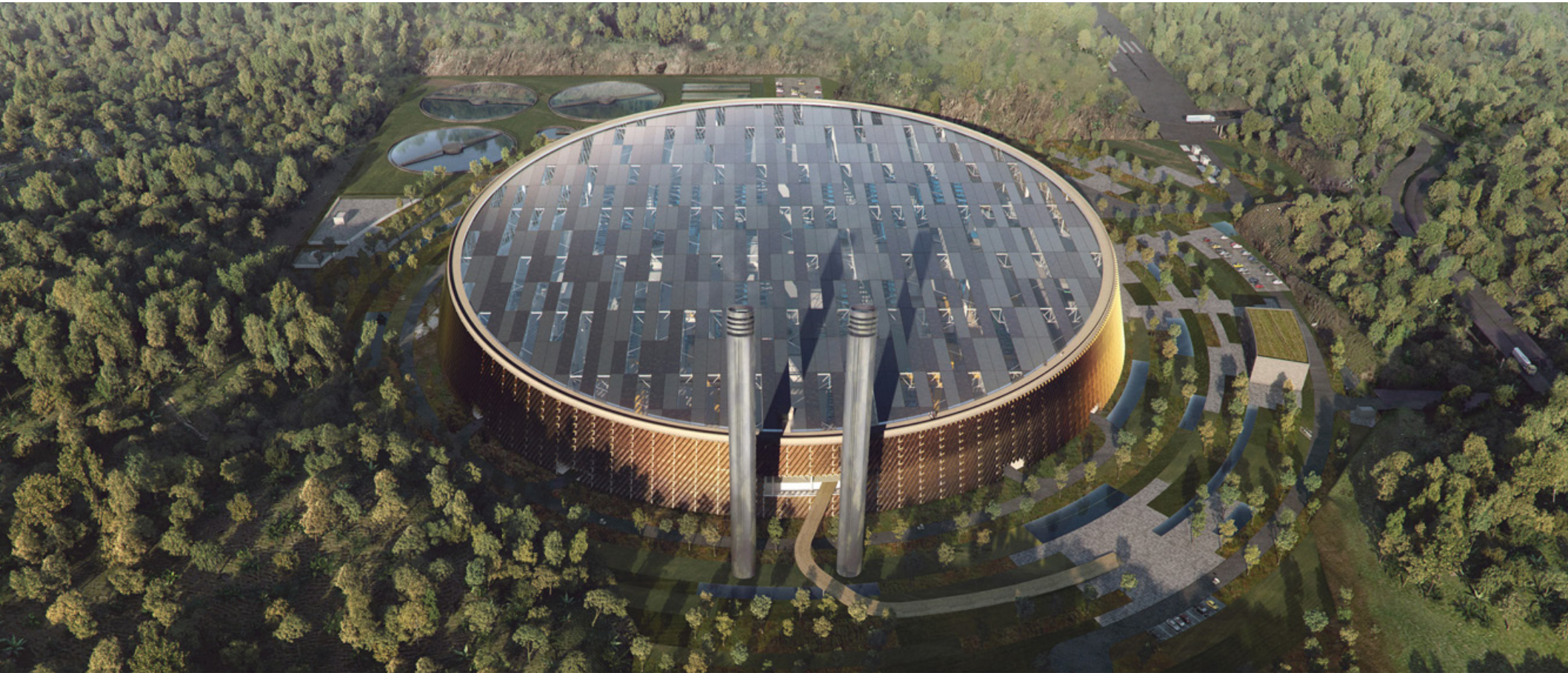


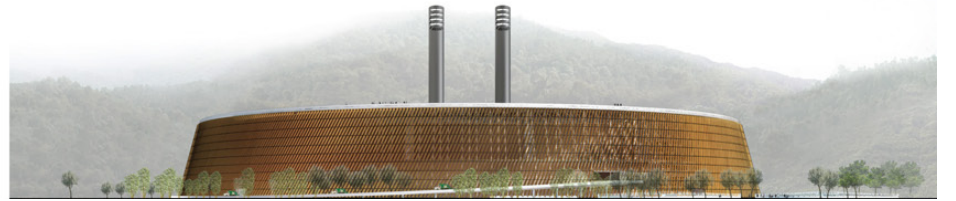
深能环保  
SE ENVIRONMENT

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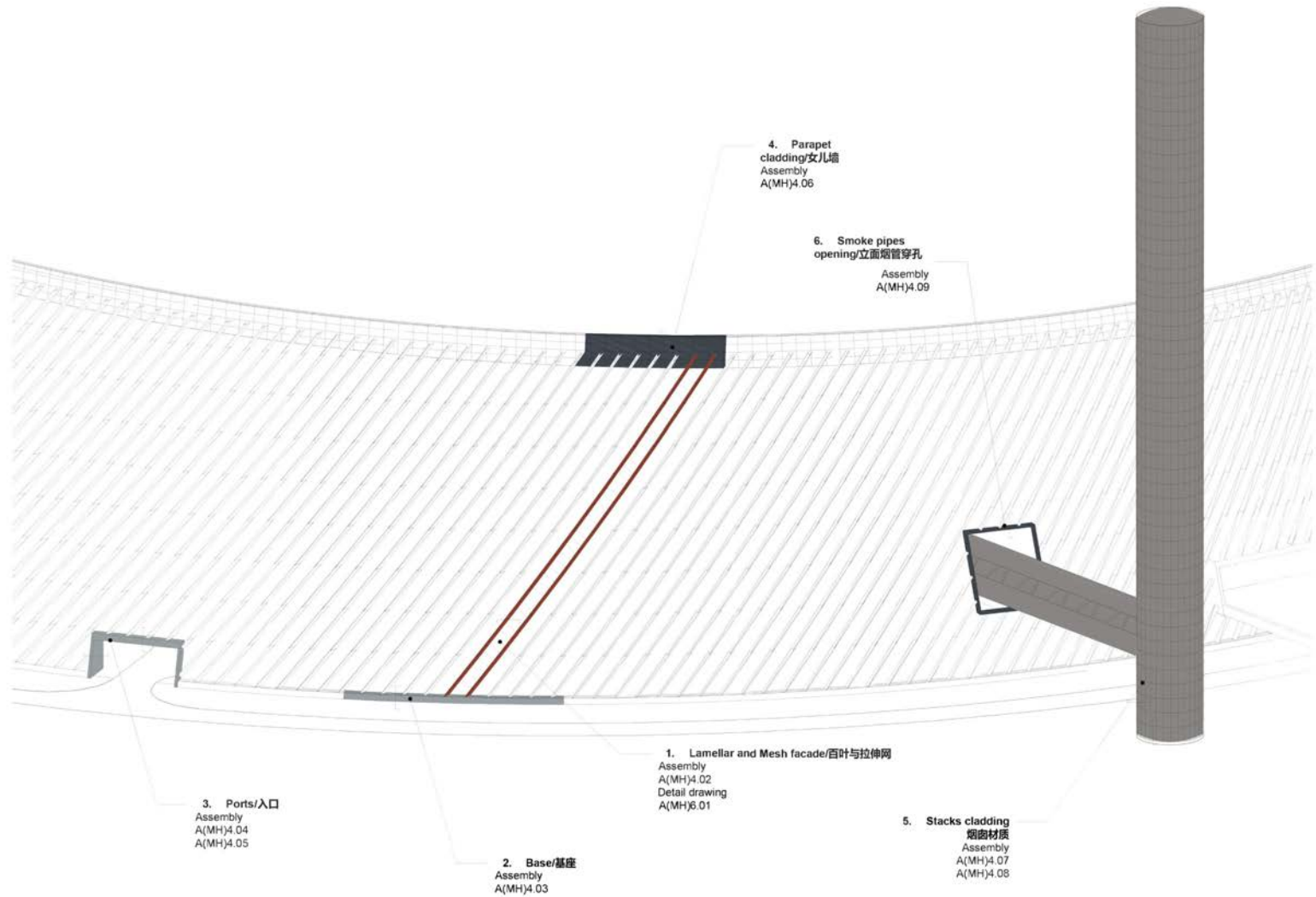


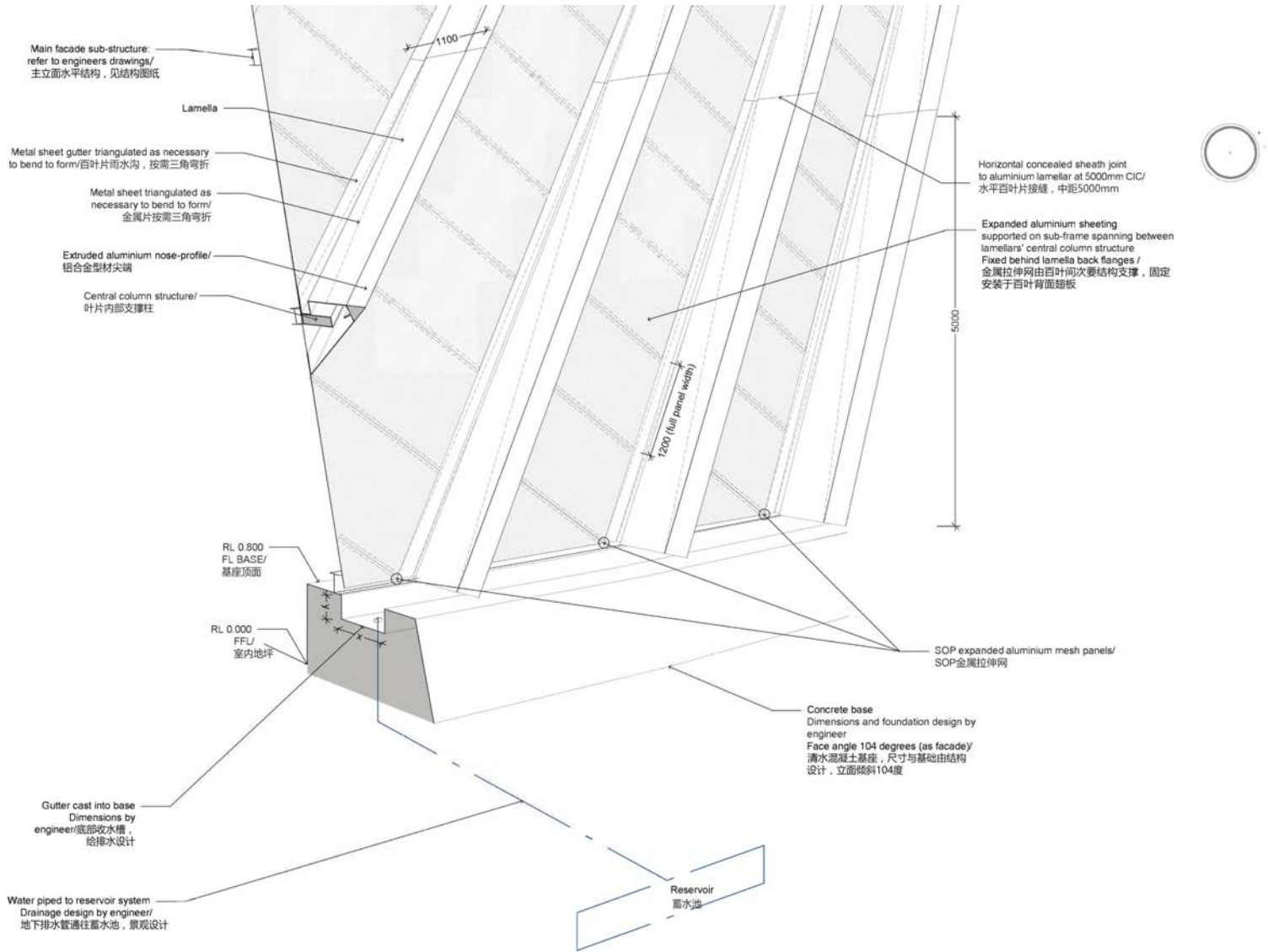


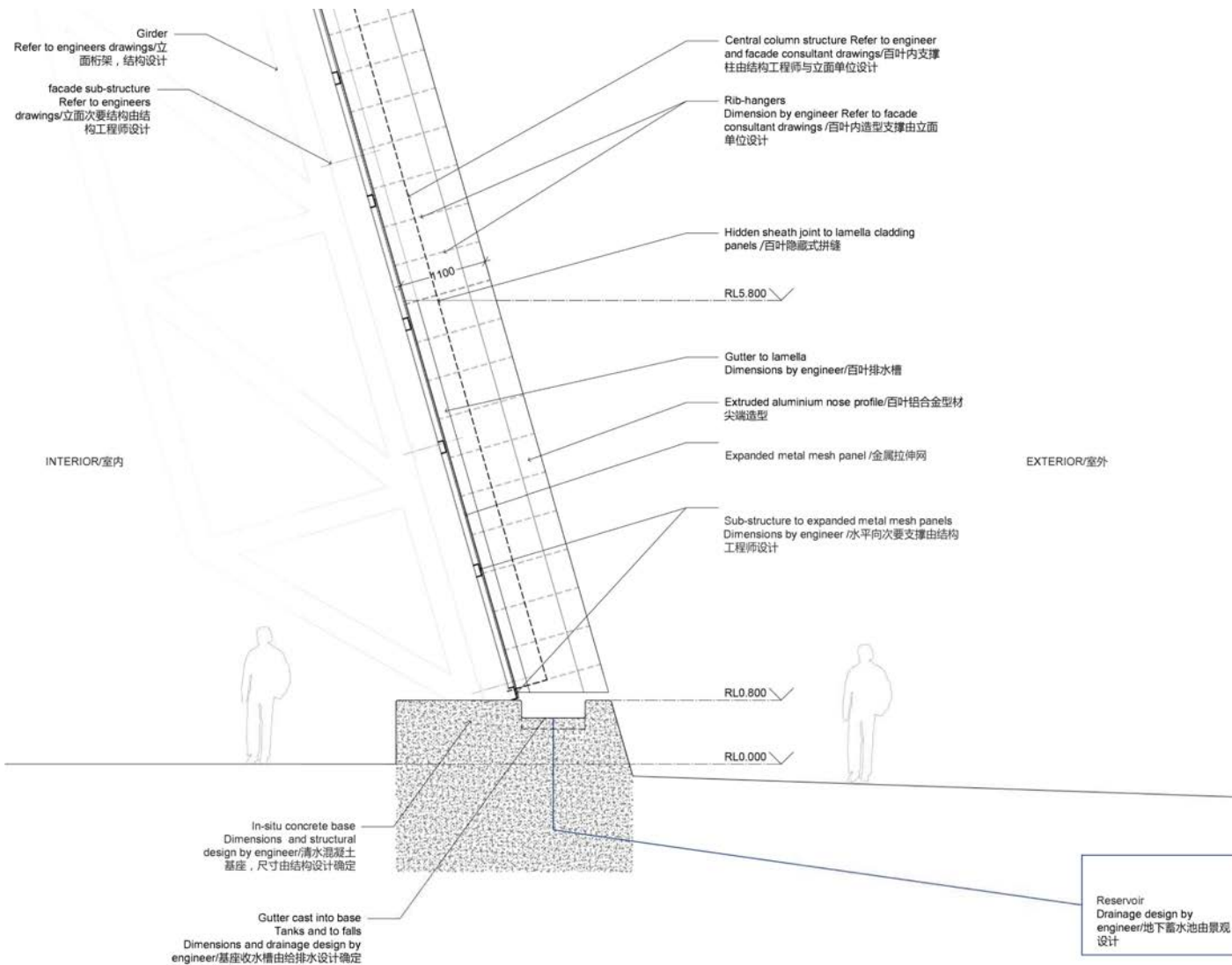


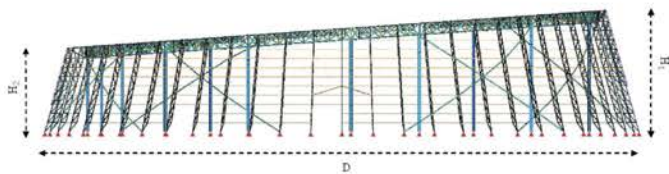
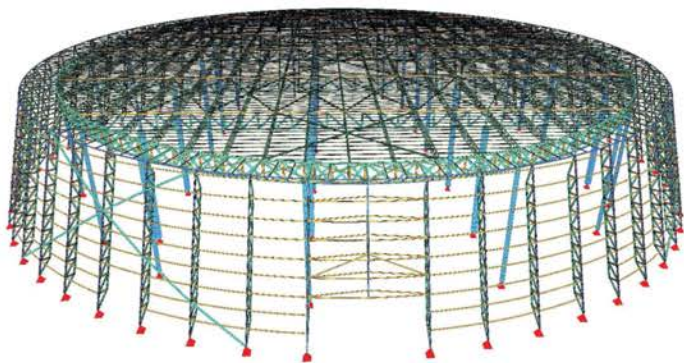
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三维结构有限元模型

屋盖结构组成:

屋盖结构由以下结构构件组成:

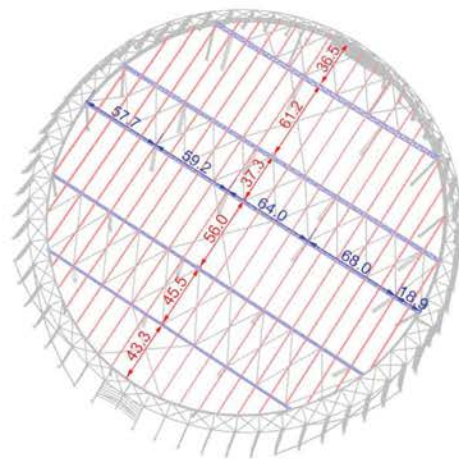
主桁架体系: 最大跨度 68m, 主梁桁架高度 7米。

次桁架体系: 最大跨度 61.4m, 主梁桁架高度 4米。

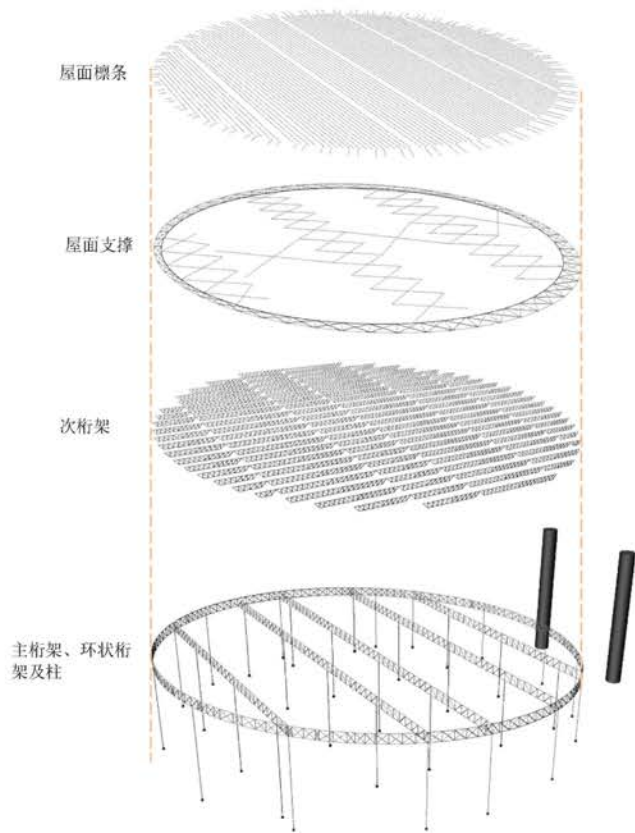
檩条: 最大跨度 10m

屋面板: 最大跨度 6m

屋盖结构由环保电厂内部区域柱以及屋盖结构周边环桁架支承, 如下所示。

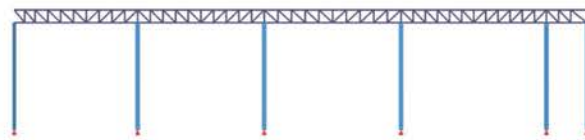
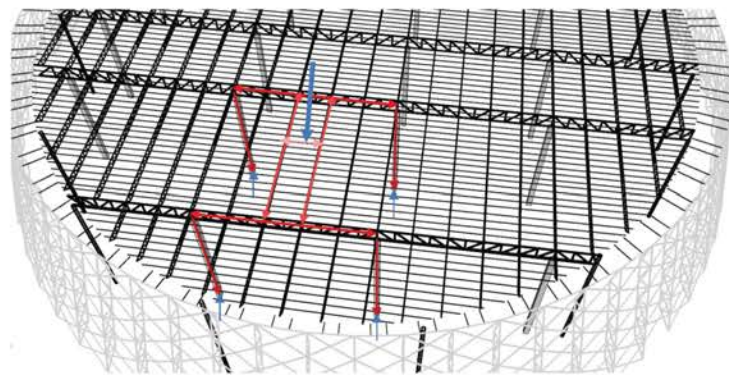




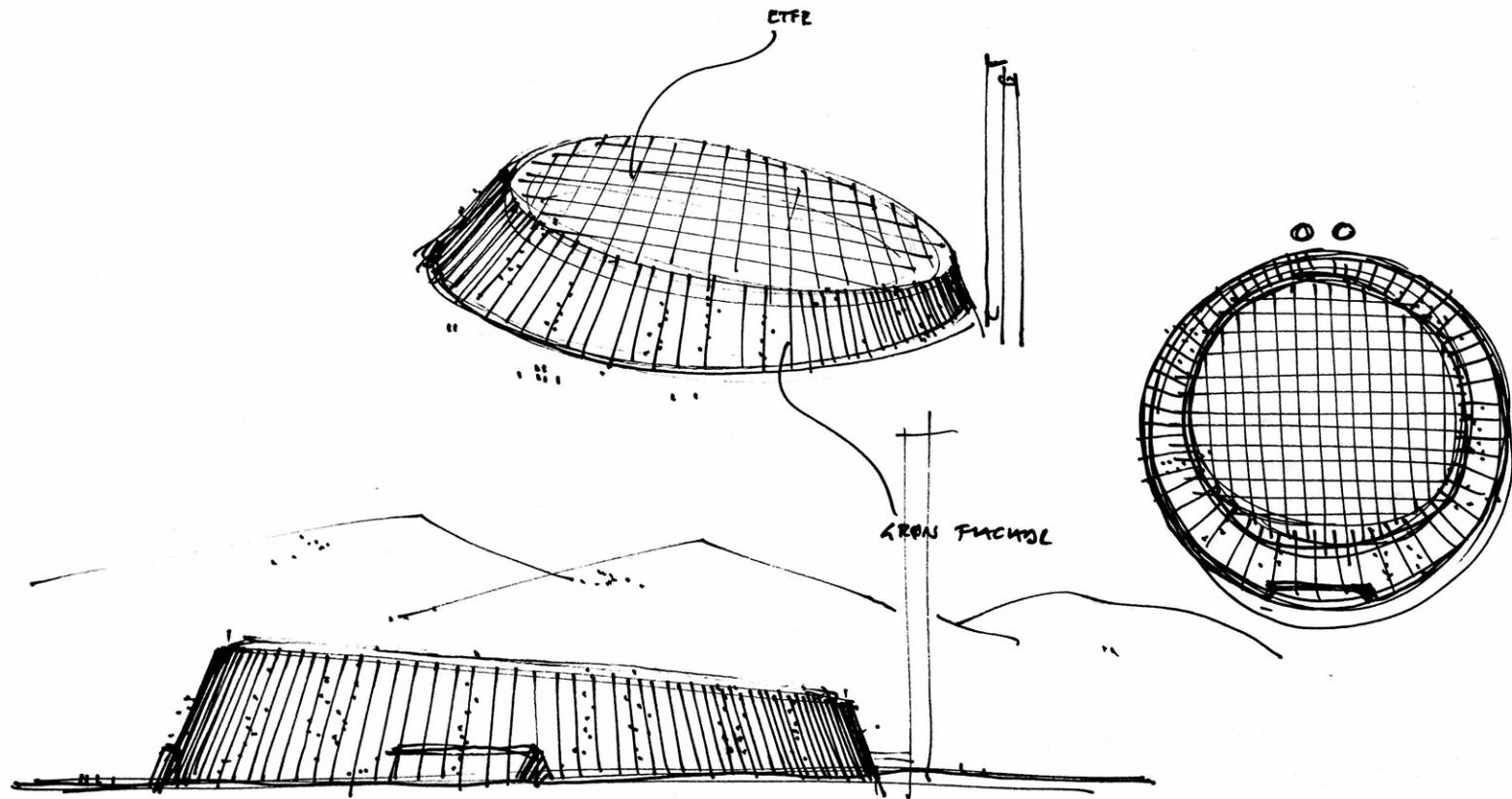


竖向承重体系:

屋面板承受屋面恒载、活载以及风荷载。竖向荷载通过屋面板传递到檩条上，檩条再将荷载传递到次桁架上，次桁架支承于主桁架上。主桁架通过外部环梁及柱并将荷载传递至基础上。桁架上压弦通过设置屋面檩条和支撑以确保其平面外的稳定性。



主桁架体系以及柱





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