

CHENG, DONGHAI (JAYVEE)

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SUMMARY

- Mainly engaged in the work related to heat treatment technology and industrial research of organic solid waste.
- Rich experience in biomass gasification, carbon-heat cogeneration, incineration power generation and other fields.

EDUCATION

2006-2010 Bachelor, Bioengineering, Lanzhou Jiaotong University, Lanzhou, China

2011-2013 Master, Chemical Engineering, Shenyang University of Chemical Technology, Shenyang, China

WORK EXPERIENCE

7/2022 – Now **Wai Environmental Solutions (Suzhou) Co., Ltd, JiangSu, China**

Senior Engineer

- Develop process plan, engineering design and implementation plan
- Technical research and project commissioning

6/2022 – 11/2018 **HuNan Modern Environmental Technology Co., Ltd, HuNan, China**

Biomass incineration power generation engineer

Assist the center manager to carry out relevant technical support and management of the biomass incineration power generation department

- Technical work at each stage of the project: preliminary design review, feasibility study review, environmental assessment review, bidding cooperation and preparation of technical specifications, construction drawing review, project construction technical services and project tracking, commissioning guidance, operation management cooperation, technical reform guidance, etc.
- Technical support for domestic waste incineration power generation project
- Investigation and evaluation of organic solid waste heat treatment technology
- Research on solid waste heat treatment technology, obtained 2 invention authorizations
- Project experience
 - o Study on the development of agroforestry biomass industry under the carbon reduction strategy
 - o Study on incineration of domestic waste in counties and towns in remote areas
 - o Engineering and technical support for biomass cogeneration project in Tongliao, Inner Mongolia, China
 - o The review of environmental assessment, feasibility study, preliminary design for domestic waste incineration power generation project in Huaihua, HuNan, China

11/2018 – 4/2017 **Hefei Debo Bioenergy Technology Co., Ltd, AnHui, China**

Director of Process Research Office

- Agricultural and forestry biomass pyrolysis and gasification equipment and process design, project commissioning and technical transformation
- Preparation and review of technical proposal, feasibility study and project proposal
- Early connection, technical exchange, and promotion of the project
- Project experience
 - o Design and commissioning of biomass gasification carbon-heat cogeneration project in Anji, ZheJiang, China
 - o 12MW coal-fired coupled biomass gasification power generation project in Xiangyang, HuBei, China

4/2017 – 7/2013 **Inner Mongolia Datang International Keshiketeng Coal to Natural Gas Co., Ltd**

Operator (7/2013-5/2015) Junior supervisor (5/2015-4/2017)

- Daily operation of Lurgi pressurized gasifier and large reciprocating compressor with coal locked gas
- Operation management and troubleshooting, process optimization, technical transformation, etc.

LANGUAGES

- English (basic), Chinese (mother tongue)