



**XIAN JANSSEN
NEVER STOP**

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xian janssen



A FUCHANGSUN PHARMA COMPANY
OF **Janssen**

Xi'an Janssen - Sustainability 2025 Goals

Xi'an Site 2025 / 2030 Climate Goals & Vision



100% Renewable
electricity in our
operations globally by
2025



Carbon neutrality for our
Operations by **2030**
Going beyond our Science-Based Target* to
reduce absolute Scope 1 and 2 emissions
60% from 2016 levels



Reduce upstream (scope 3)
emissions **20% by 2030**

From 2016 baseline

65% Reduction in absolute carbon emissions by 2025. (VS 2020)

(2020 Absolute CO2 emission 20,182 Tons, 2025 Target controlled within 7,070 Tons)

Xian Site Sustainability 2025 Roadmap



2021

2022

2023

2024

2025

Reclaimed water for cooling tower

Use reclaimed water replace tap water in mud pressing process

Cleaning process improvement:

- Clean hold time to reduce repeat clean for container
- Optimize the cleaning process for 2000L Bin used
- WA004(OSD bin washer) reduce detergent concentration at OSD area
- CSP100 L concentration
- BSP 300L improvement
- BSP 20L improvement

Water usage VS 2020: **-22%**

Hazardous waste reduction project

Investigate the opportunity to reduce the total waste

Waste VS 2020: **-31%**

Total **5.7%** Renewable Electricity

Production area lighting control optimization

Mezzanine floor lighting control optimization

PW system drainage water recovery

Automatic drainage Optimization of pure water system (frequency & time)

Optimization of pure water distribution system with point control logic

Zero Waste to landfill Project

- Optimize the detergent Booster
- Sludge dehydrator System for WWT
- Develop the Electronic waste system
- Reuse of the pallets used for imported material
- Reduce the paper cup/paper batch record

Total **18.8%** Renewable Electricity

HEM system

2# Chemical Free Steam Condensate heat recovery



Certify Alliance for Water Stewardship

Smart Water

Water usage VS 2020: **-19%**

Waste VS 2020: **-49%**

7# Chemical Free Steam Condensate heat recovery

HVAC production Based Ventilation (Phase 1&2&3)

Utility Cost Saving through Optimize the basic tariff(Fixed cost → Variable)



Certify Alliance for Water Stewardship

Develop the new waste disposal facility

Waste reduce/recycle/reuse projects

5# Chemical Free Steam Condensate heat recovery

IOT metering and CIM pilot
Photovoltaic Power Station Project (Phase 2)

QC storage room AHU improvement (07-1204 and 07-1301)

HVAC Sleep model (Production Area 9 HVAC)

Direct electricity trading project

HVAC sleep model (Phase 1&2)

Continue to implement advanced Alice for water stewardship (Internal and external)

Certify TUV Zero Waste to landfill

Total **81%** Renewable Electricity

5# Chemical Free Steam Condensate heat recovery

Optimization of air change times of air conditioning

Smart chiller

Dust system service on demand

HVAC Sleep model (Warehouse 3 HVAC)

HVAC Sleep model (lab Area 3 HVAC)

Photovoltaic Power Station Project (Phase 1)

2024



Certify TRUE Zero Waste

Total **100%** Renewable Electricity

i-REC Purchase
Energy storage (Put in ice storage equipment)

Green Energy Purchase

CO2 VS 2020: **-55%**

CO2 VS 2020: **-19%**

CO2 VS 2020: **-11%**

CO2 VS 2020: **-65%**

Rationalization Proposal

Xi'an site sustainable Team



Cultural & Behavior



Certify Carbon Neutral Protocol



Sustainability Light house factory

JJPS CIP 6 sigma

Stakeholder engagement activities

Energy data Power BI dashboard

Environmental Month

Low-carbon Janssen Periodical



Energy & Climate

