



# 迦南莱米特

## 固体制剂智能化概述

张庭涛 13311080360

北京迦南莱米特科技有限公司

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Version 2025.01.01



## 公司简介



### ➤ 公司特点:

以粉体工艺工程技术为主的专业化公司.

### ➤ 业务范围:

为制药、食品与化工等各行业提供完整的粉体密闭生产系统及相关产品模块。

### ➤ 系统经验:

莱米特以多年的技术积累在粉体的投料、输送、转运、存储、筛分、粉碎、配料及整套粉体系统的各个环节，为客户提供最适合的产品模块。

## 产品简介



- 真空输送系统（输送距离80米以内，输送能力最大可达10T/H）（
- 称量配料系统（单工位、多工位，称量精度0.1%）
- 无尘粉碎系统（糖粉80目，1.8T/H）
- 定量包装系统（25KG，精度50g）
- 物料存储系统（IBC、固定存储仓）
- 混合系统（气流混合，0.5立方~20立方）
- 粉体工程（固体制剂、原料药精烘包、保健品、食品、化工的整厂自动化生产系统，从设计、制造、施工到调试）

## 项目团队



姓名	职位	职责
张庭涛	总经理	项目整体把控和人员调配
赵军	工艺总工程师	对工程工艺的整体把控
刘东升	药师	对生产和制药工艺的整体掌控
翁智军	电气总工程师	负责SCADA系统、自动化的整体设计
邱镇	电气工程师	负责SCADA系统、自动化的设计
李建民	技术部经理	对设备整厂机械和流程设计
王斌	机械设计师	机械设计
聂伟	3D仿真高级工程师	负责3D仿真的推演与设计
陈波	VR工程师	负责VR总体设计

## 合作单位



- 武汉医药设计院
- 重庆医药设计院
- 吉林医药设计院
- 山东医药设计院
- 上海亚欣设计院
- 安徽医药设计院

# 设计理念



➤AGV转运系统

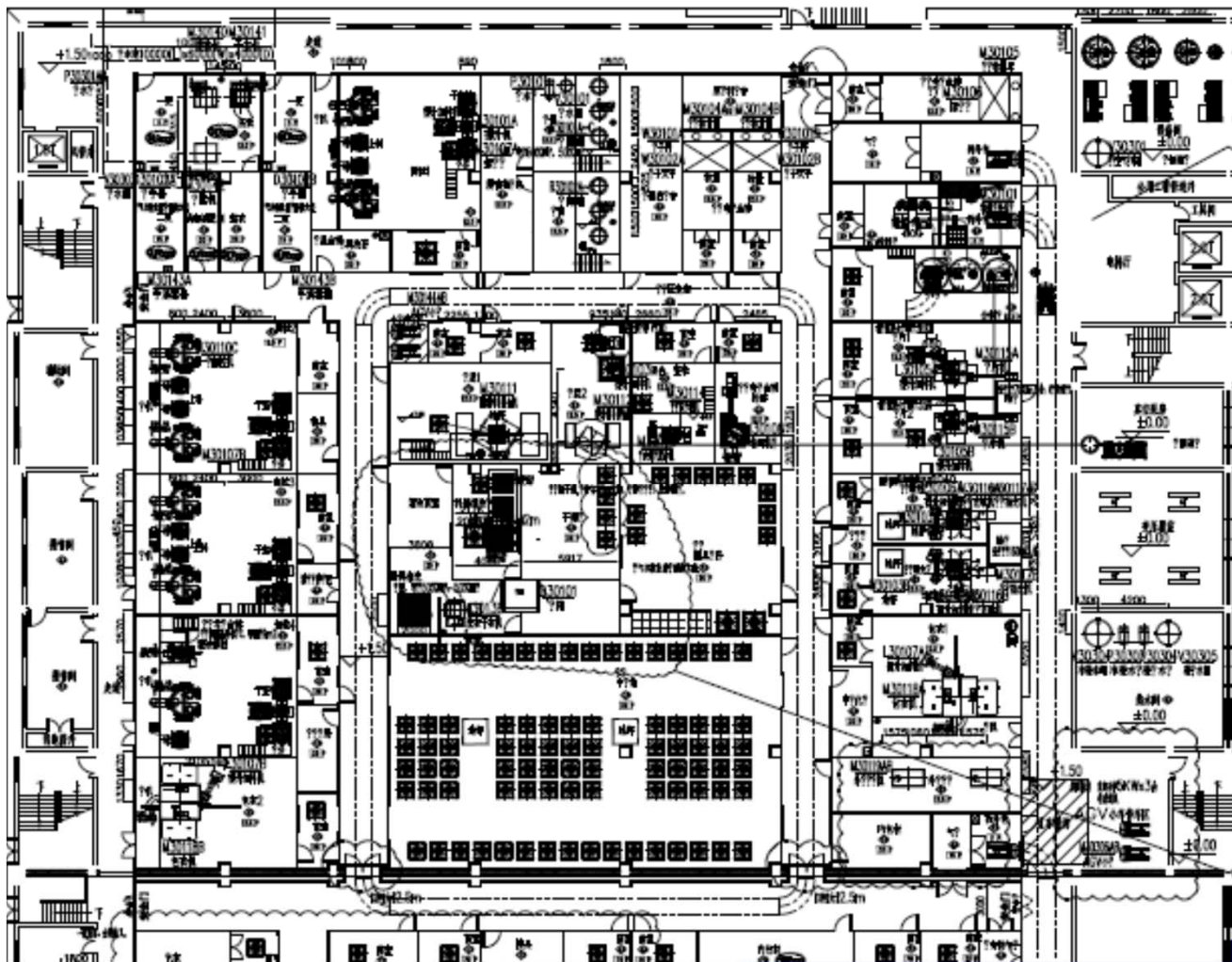
➤管道密闭连续生产系统

# AGV转运系统



- 采用AGV替代人工搬运
- 保持现有工艺流程及操作方法
- AGV转运技术、精确定位技术、自动称配技术、工艺设备自动进出料技术（流化床、混合机、包衣机、压片胶囊）、终点判定技术、中间站管理、物料管理系统、数据采集及追溯系统

# AGV转运系统-模型

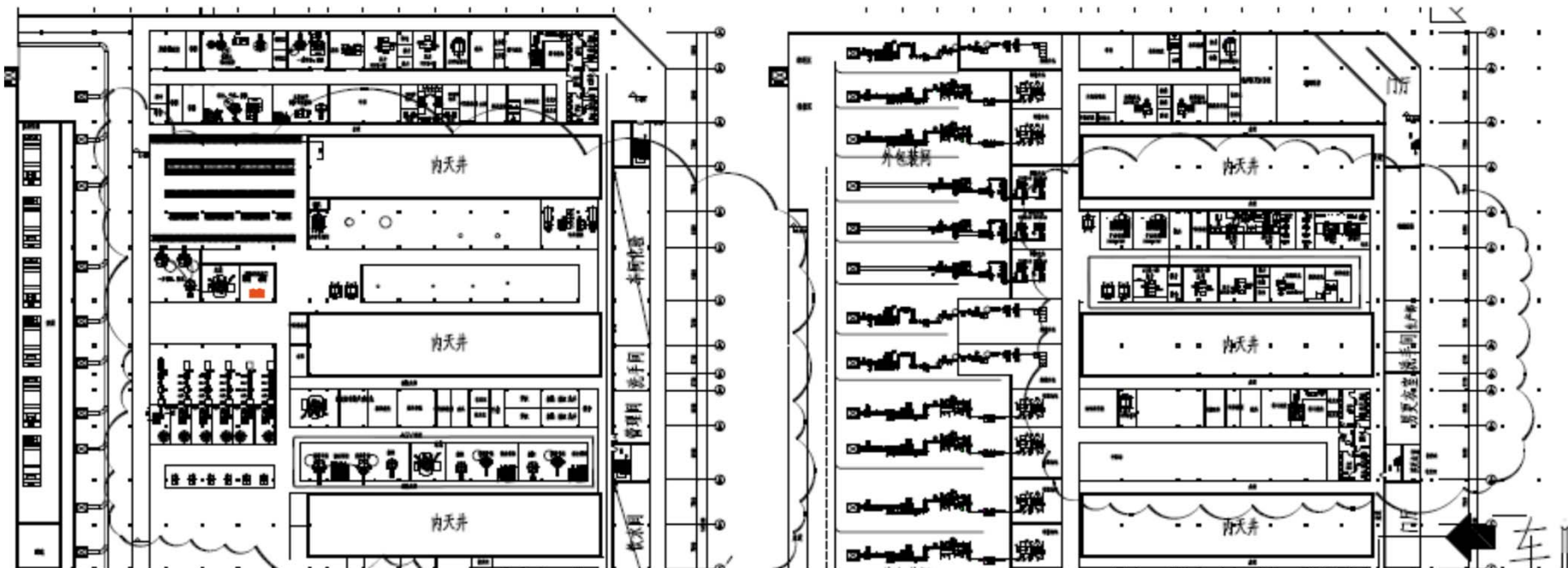


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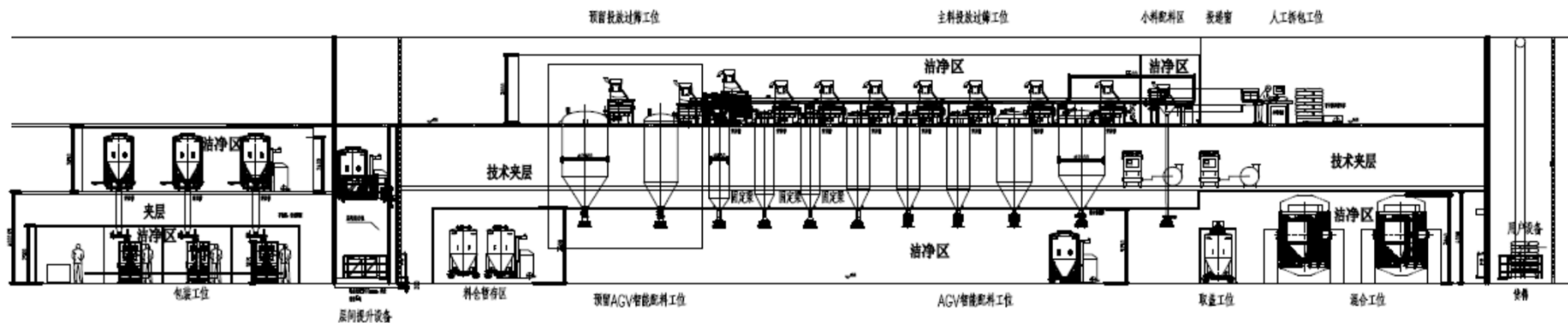
# AGV转运系统-模型



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# AGV转运系统-模型



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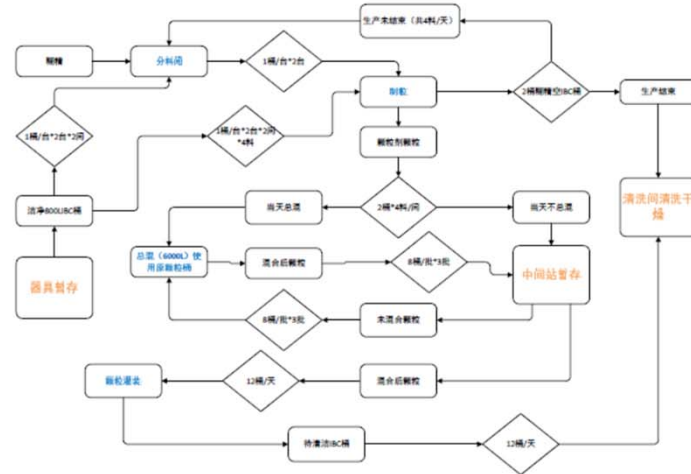
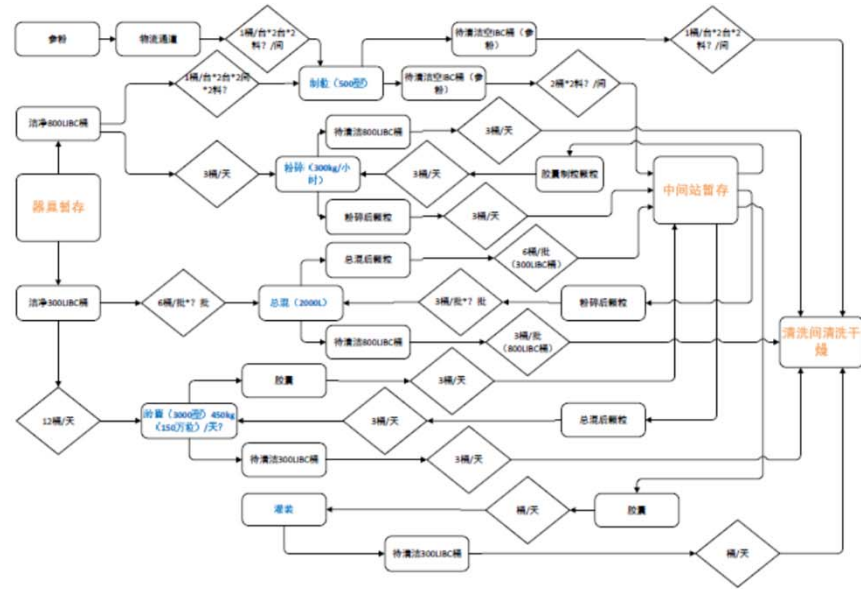
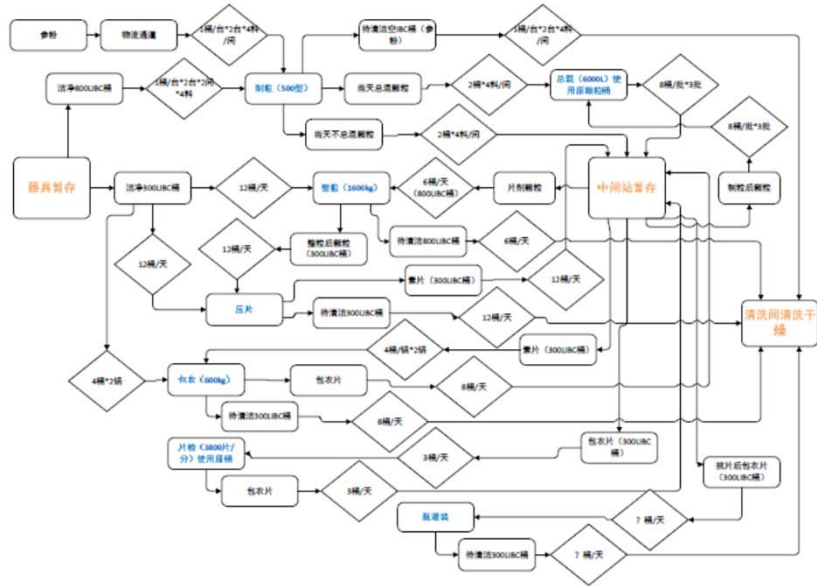
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# AGV转运系统-设计



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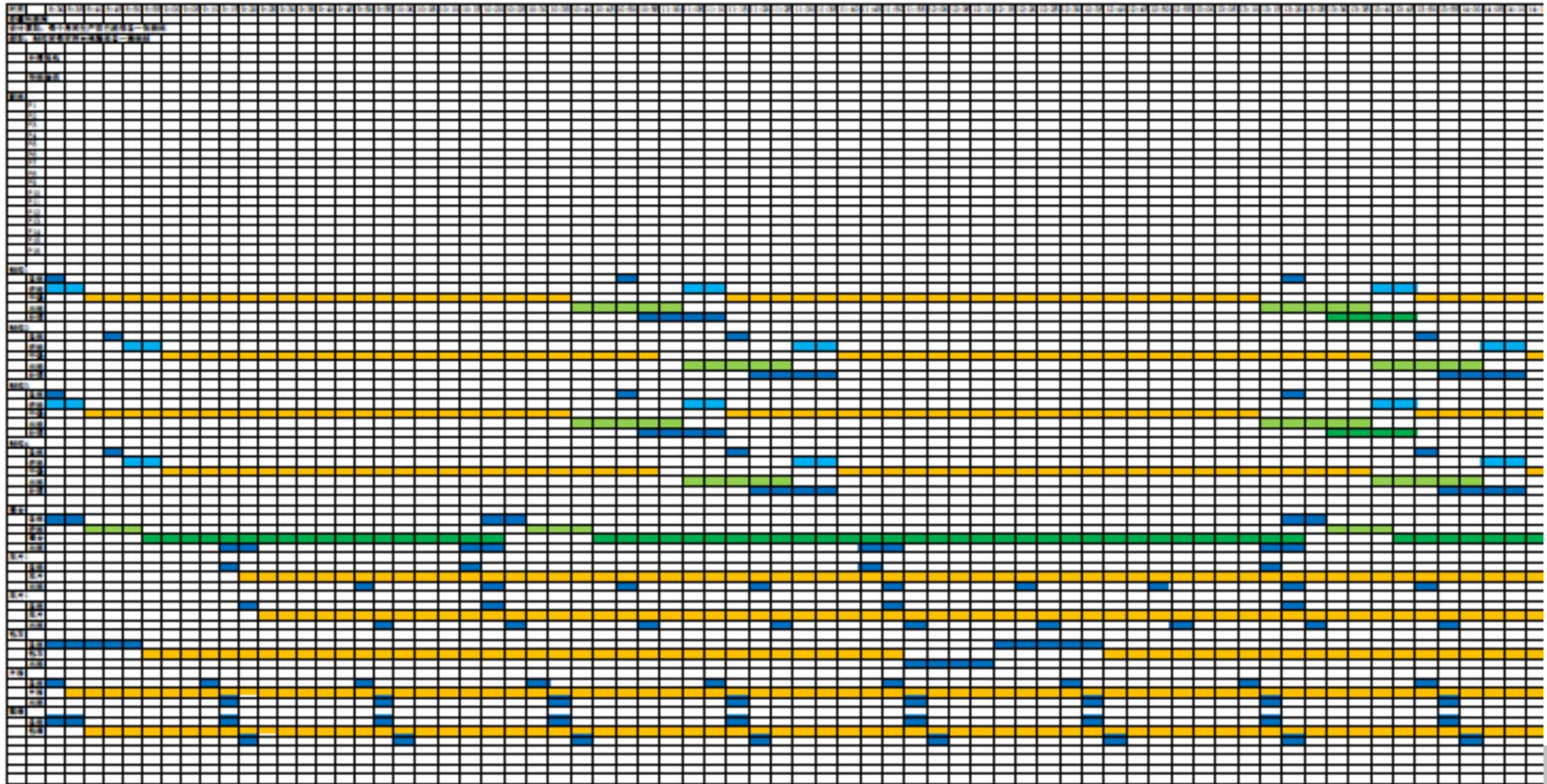


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# AGV转运系统-设计



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# 管道密闭连续生产



## ➤管道密闭连续生产系统

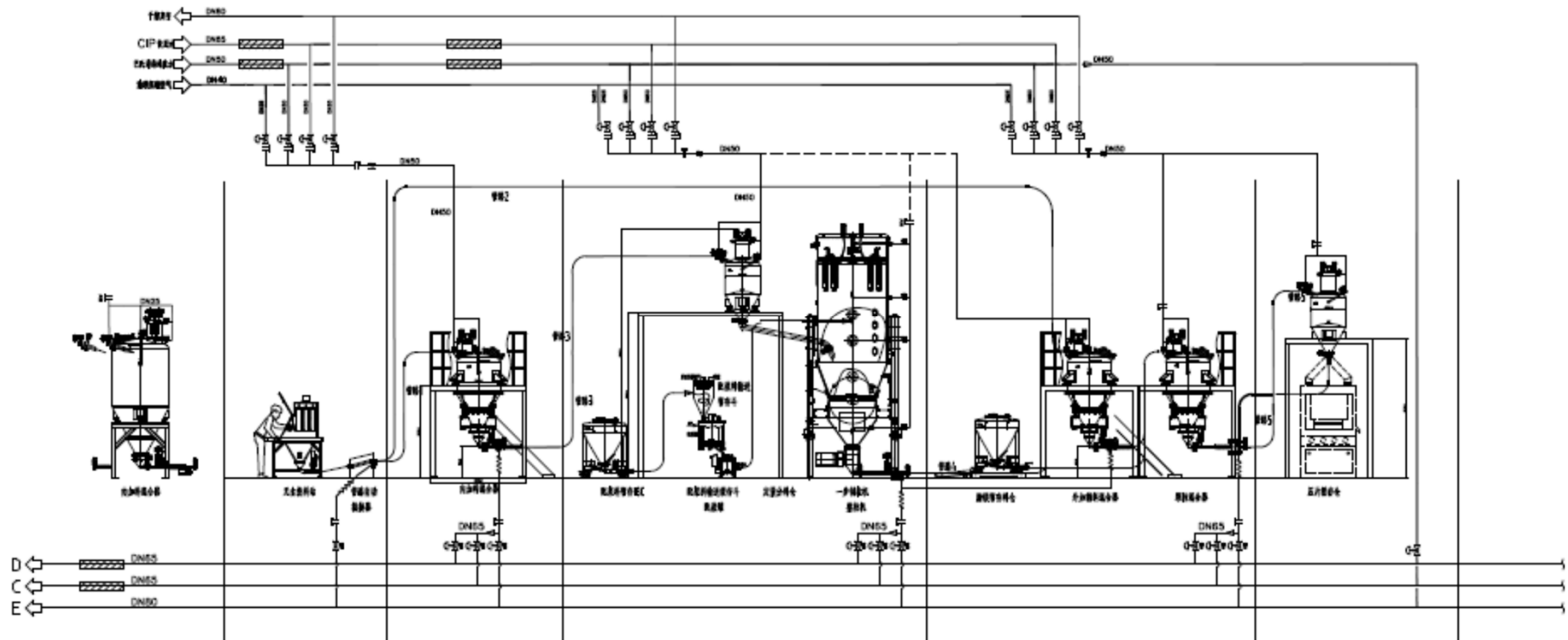
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# 气流混技术简介



## 汤臣倍健智能化生产线



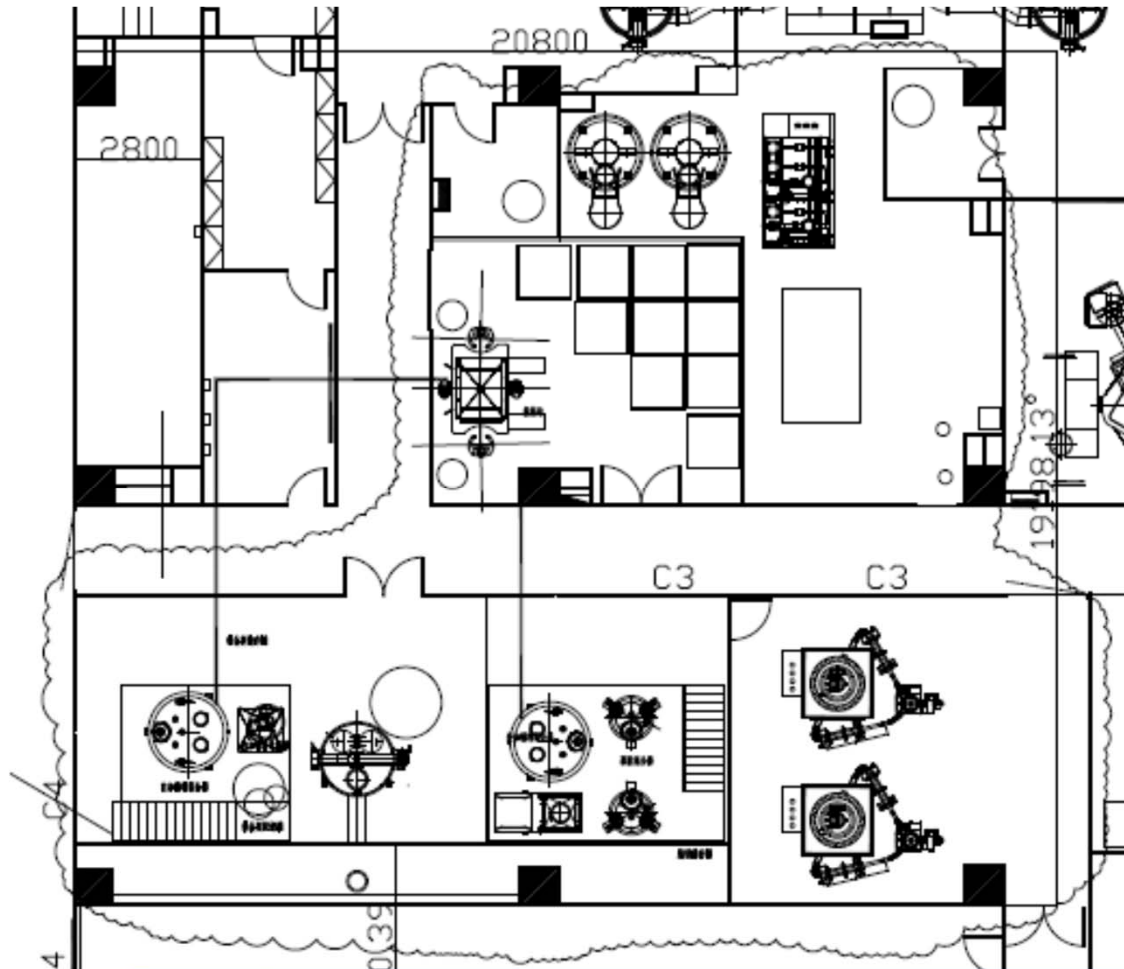
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# 气流混技术简介

## 汤臣倍健智能化生产线



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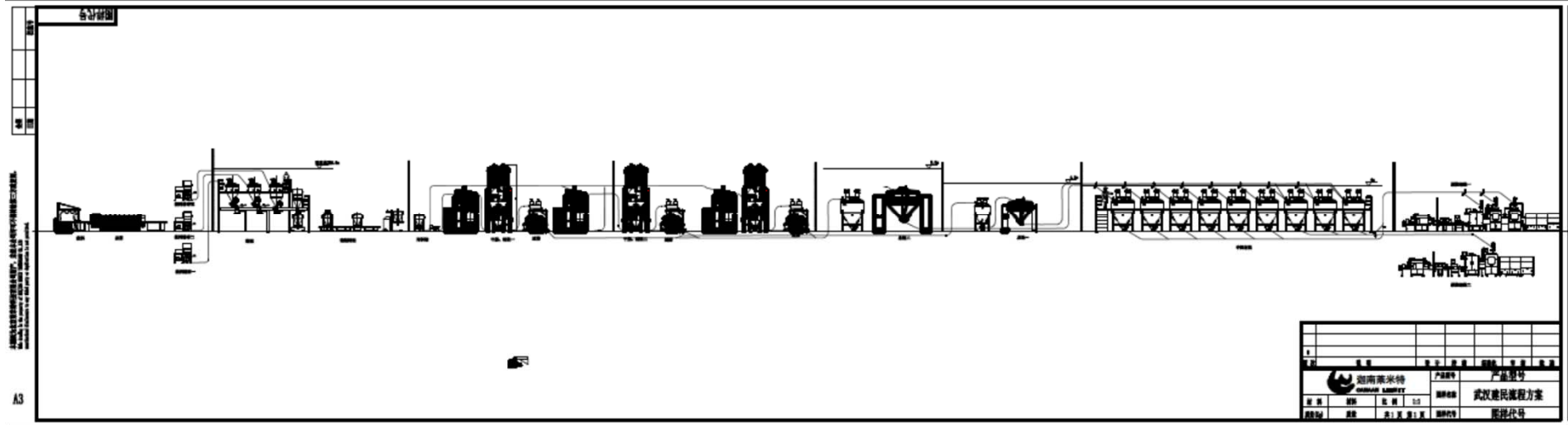
# 气流混技术简介



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## 武汉健民颗粒剂智能工厂



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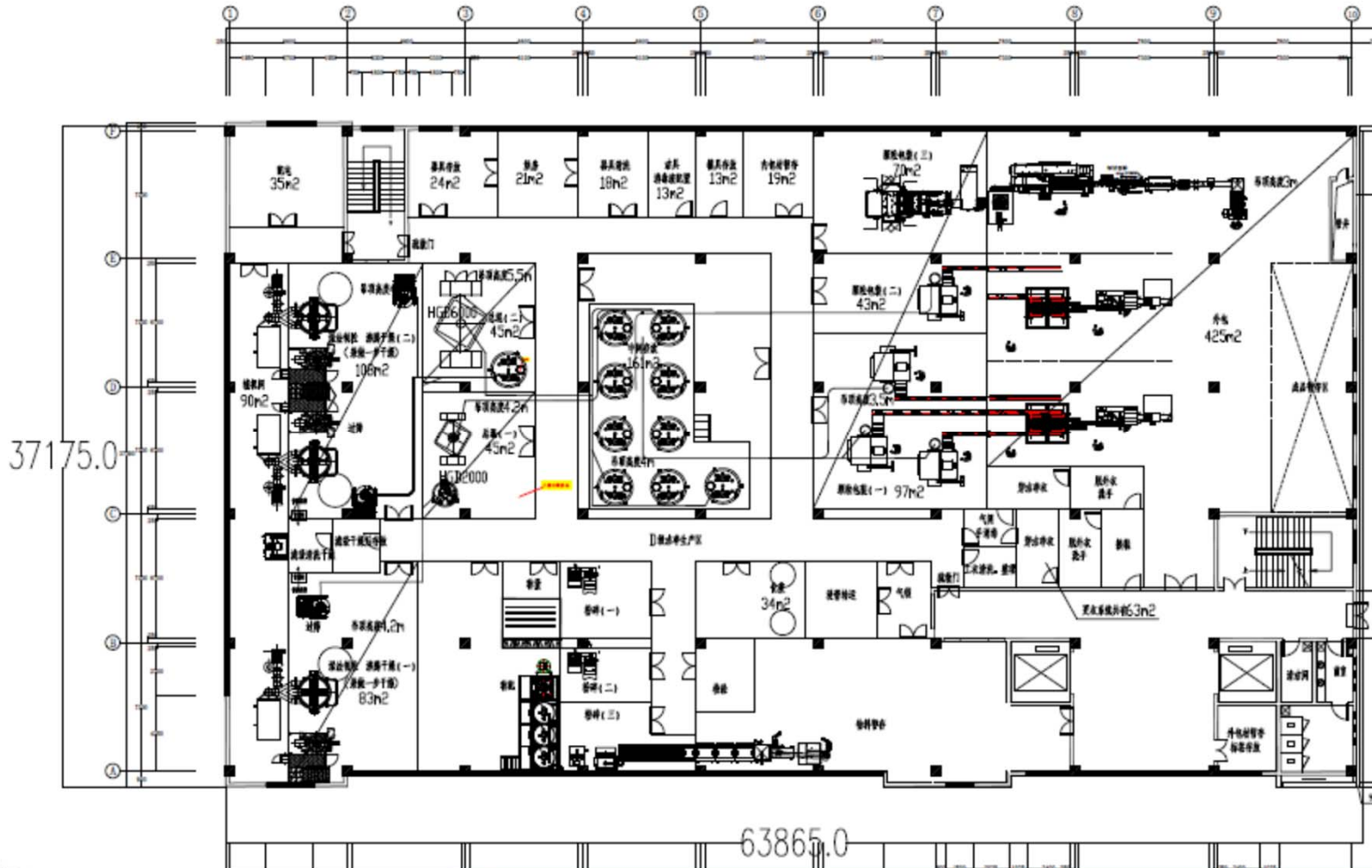
# 气流混技术简介



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## 武汉健民颗粒剂智能工厂

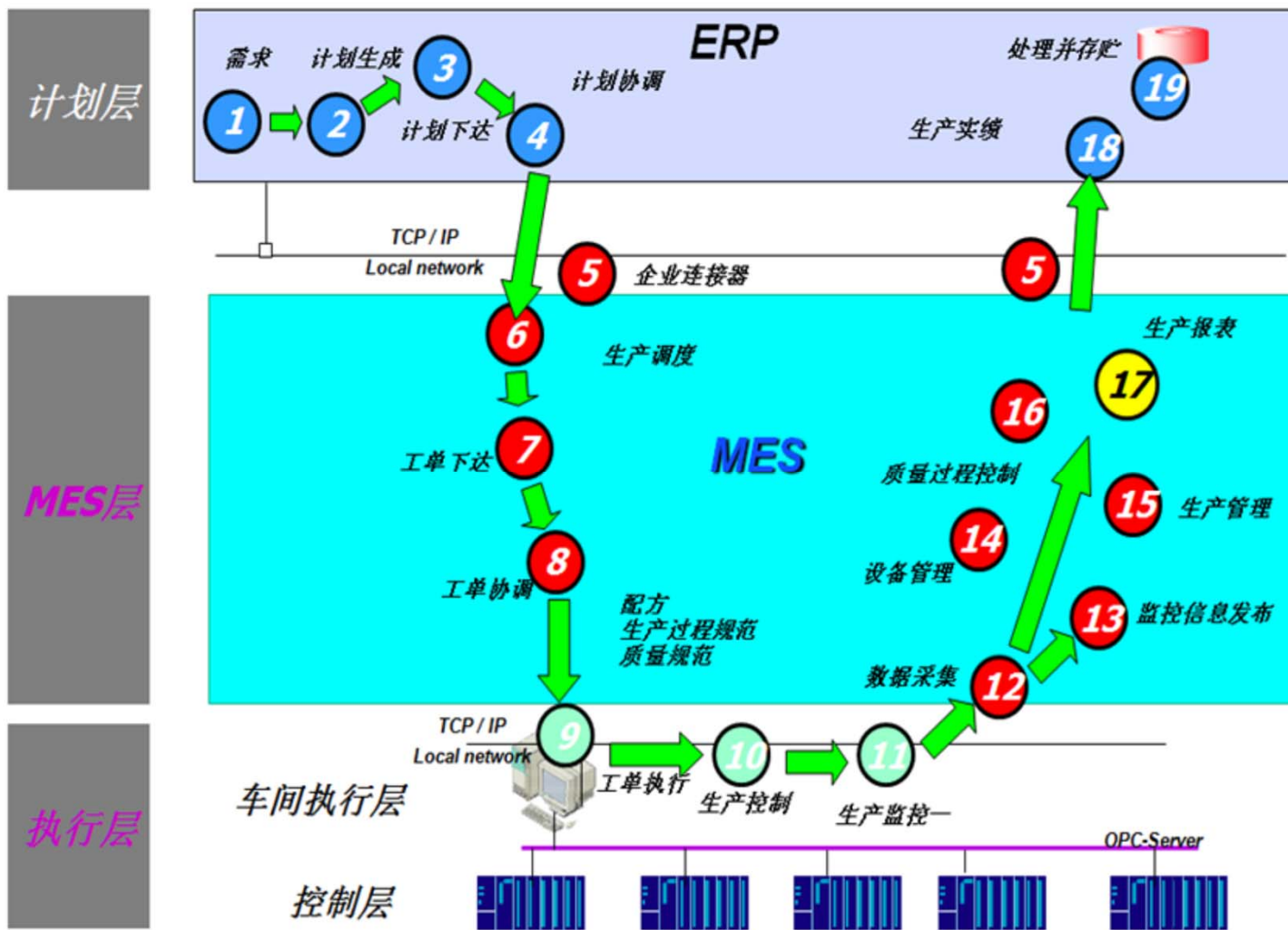


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# SCADA系统介绍

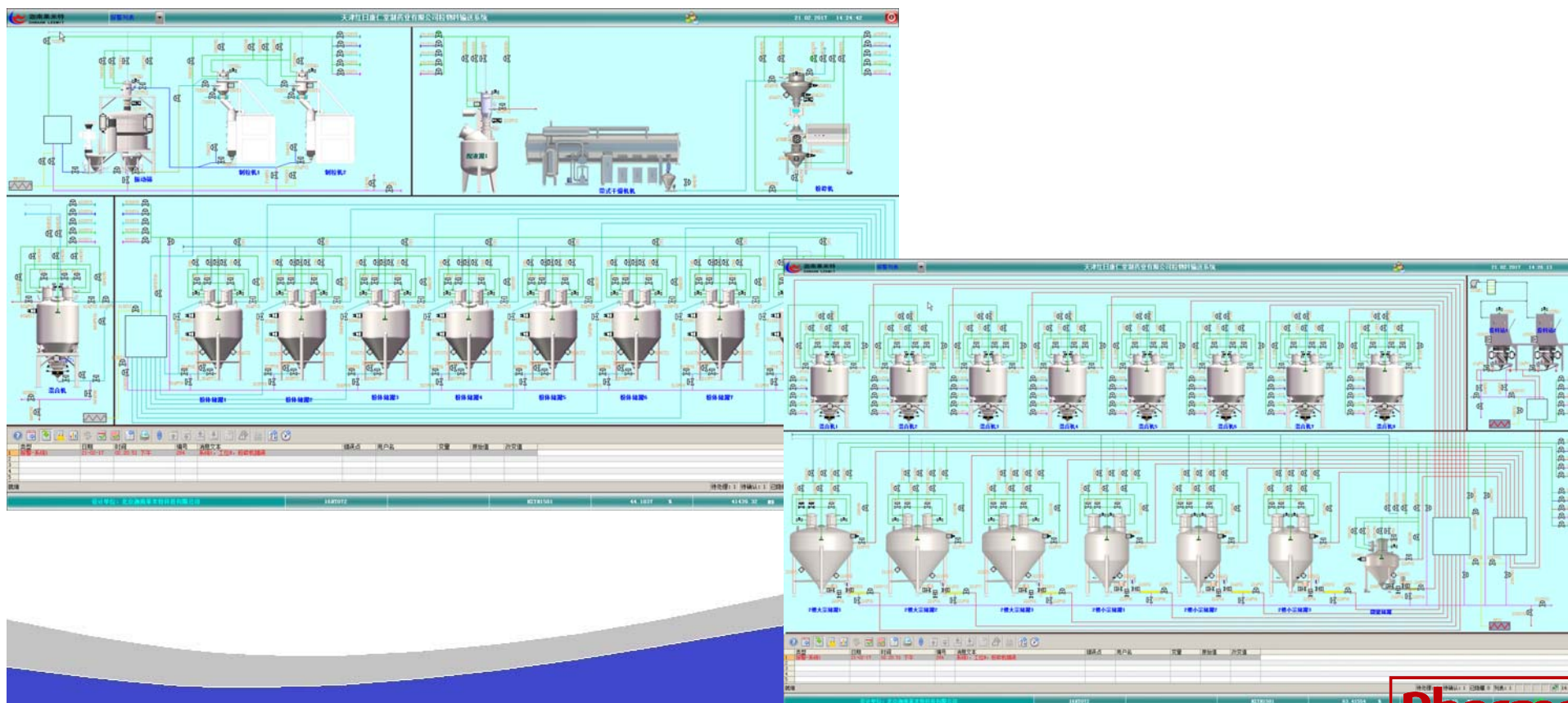


# SCADA系统介绍



## 5、控制系统:

在线称量、阀门反馈、SCADA系统，BATCH批次管理等等智能化生产



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# 智能化项目实施



- 1、概念设计（工艺流程、平面布局、URS、原理验证）
- 2、细化设计（设计院）
- 3、工程及设备招标
- 4、建设及安装
- 5、调试及运行（单模块调试、联动调试、自动化调试、人员培训、稳定性运行、MES系统）
- 6、系统改进及完善（硬件、软件）



迦南科技 (股票代码300412)

## Client Reference



And more.....

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