









欢迎索取以下产品型录

- 
泵系列 潜水泵系列 | 陆上泵系列 | 特种泵系列
- 
搅拌推流系列 搅拌机系列 | 推流器系列
- 
供氧曝气系列 曝气机系列 | 曝气盘系列 | 曝气管系列
- 
风机系列 三叶罗茨鼓风机系列 | 增压罗茨鼓风机系列 | 沉水式风机系列 | 空气悬浮离心鼓风机
- 
污泥处理设备 固液分离系列
- 
智能化系列 EP6 物联监控管理系统 | 空气质量管理系统 | RS-485 传感器
- 
耗材及药剂系列 泡药设备 | PAC 聚合氯化铝 | PAM 聚丙烯酰胺 | 生物绳
- 
反应器及套装设备系列 芬顿反应系统 | 一体化污水处理设备 | 预制泵站 | MBR 膜生物反应器

GSD 的经营理念

G-Green 绿色 S-Safe 安全 D-Development 永续经营

GSD 提供全方位产品与物联网智慧解决方案
力助您成为物联环境科技的领先者

免费咨询电话
400-657-9066

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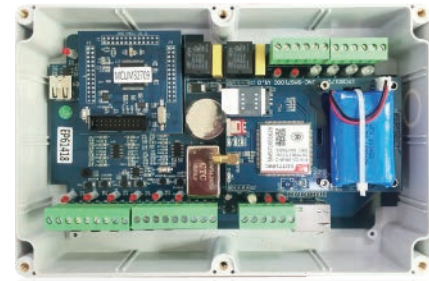
EP6
IOT MONITORING
AND MANAGEMENT SYSTEM
 EP6 物联监控管理系统



EP6

物联监控系统

EP6 IOT MONITORING AND MANAGEMENT SYSTEM



凝聚超过 40 年的水务设备与工艺经验, GSD 川源推出操作容易、布建快速的 EP6 物联网监控系统。

EP6 已整合软件与硬件, 过去的监控系统需要专人组装各种硬件、编写软件并长期调试才能运作, 现在只需要一台 EP6, 即可快速将设备升级远程监控、数据采集、短信控制的功能, 助您打造物联网环保大数据平台, 领先进入智慧环保领域。

With more than 40 years of experience in water related equipments and technologies, GSD has launched the EP6 IoT monitoring and management system, which is easy to operate, with rapid layout construction.

EP6 has integrated both software and hardware. For monitoring systems in the past, a specially-assigned person is required to assemble all kinds of hardware, edit software and make long-time adjustment before they can be operated. Nowadays, only an EP6 is needed. It can realize the function of quick equipment upgrading, remote monitoring, data acquisition and

SMS control, helping you to create IoT big data platform of environmental protection, so as to take the lead to enter the area of smart environmental protection.

EP6 应用场景 EP6 application

管理者随时随地

远程监控

数据采集

短信遥控

The administrator can conduct remote monitoring data acquisition SMS remote control whenever and wherever possible

单机已有 PLC 传输

PLC 可直接接入 EP6 采集数据

Stand-alone existing PLC transmission
PLC can be directly accessed to EP6 to conduct data acquisition.

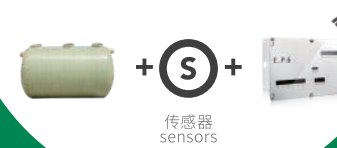


只有单机

不需系统改造, 快捷进化为远程监控 / 智控设备

Only one machine

There is no need of system transformation, as it can rapidly evolve into the remote monitoring/ smart control equipment.



中央集成

原有系统只需简单设定, 便可中央集成管理

Central integration

It is only need to conduct simple setting to the original system, then central integrated management can be realized.



河道监测预警

光伏板供电 / 4G 传输 / 短信报警
River monitoring and early warning

Power supply by the photovoltaic panel / 4G transmission / SMS alarm



一机整合软硬件, 省下人工及软件的成本

EP6 能完成数据采集、记录、存储、传输, 以及异常报警、短信控制功能。不需购买额外附件及编写软件

INTEGRATION OF SOFTWARE AND HARDWARE BY ONE MACHINE, SAVING THE COST OF MANPOWER AND SOFTWARE

•EP6 can complete the function of data acquisition, recording, storage, transmission, abnormal alarm and SMS control. There is no need to purchase extra accessories to compile software.

中央集成软件, 便捷开展点线面布局

EP6 以网络或 4G 上传数据至中央集成管理系统, 每当新增 EP6 监测点, 无需重写软件, 在中央集成系统直接设定, 快速导入新点位数据, 助您灵活应对环境演变和扩展业务

CENTRAL INTEGRATION SOFTWARE, CONVENIENT TO CONDUCT POINT - LINE - PLANE LAYOUT

•EP6 relies on network or 4G to upload data to the central integrated management system. Whenever there is a newly increased EP6 monitoring point, it is only required to set up directly in the central integration system and import new point site data, rather than rewriting the software. Thus, it helps you to cope with environmental changes and expand business.

不怕电脑中毒, 海量数据不丢失

EP6 不是电脑, 没有中毒风险

若中央集成的电脑中毒, 因数据同时存在 EP6 的 U 盘, 数据仍安全保留

NOT AFRAID OF COMPUTER VIRUS ATTACK, NO LOSS OF MASS DATA

•EP6 is not computer, without the risk of virus attack.
•If the central integration computer suffers attack, the data will still be safely kept as they exist in the USB flash disk of EP6 simultaneously.

短信远程控制, 随时掌握运行状况

手机拨打 EP6, 收取运行现状短信; 发送 ON/OFF/AUTO 短信, 即可远程开关设备
设备异常或断电, 实时短信通知

SMS REMOTE CONTROL, MASTER THE OPERATING STATUS IN ALL TIMES

•When you call EP6 by mobile, you will receive the SMS of the operating status; when you send the SMS: ON/OFF/AUTO, you can power on/off the equipment remotely.
•When the equipment is abnormal or suffers power failure, there will be real-time notification by SMS.

特点

EP6 物联监控管理系统架构图

ARCHITECTURE DIAGRAM OF EP6 IOT MONITORING AND MANAGEMENT SYSTEM

单机版 Stand-alone Version



EP6 网页监控画面
EP6 webpage monitoring screen



远程监控、数据采集、记录、存储、传输、报警等

Remote monitoring, data acquisition, recording, storage, transmission, alarm and so on.



自动及手动控制

简单设定即可达到多段自动控制设备
五段时间排程管理
进入网页手动强制开关设备

Automatic and Manual Control

Multistage automatic equipment control can be realized only by simple setting, 5-segment time scheduling. Access to a webpage to power on/off the equipment manually.



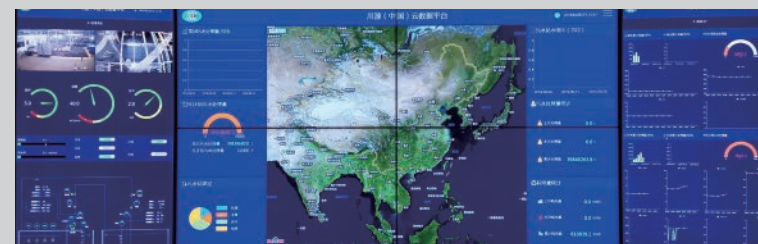
短信远程控制

以手机拨打 EP6, 获取即时数据
以手机传短信开关设备
以短信通知, 实时报警

SMS Remote Control

You can call EP6 by mobile, so as to acquire immediate data. Power on/off the equipment by SMS. SMS notification, real-time alarm.

集成管理 Integrated Management



网络



中央集成管理系统
Central integrated management system

网络 / 4G / 5G



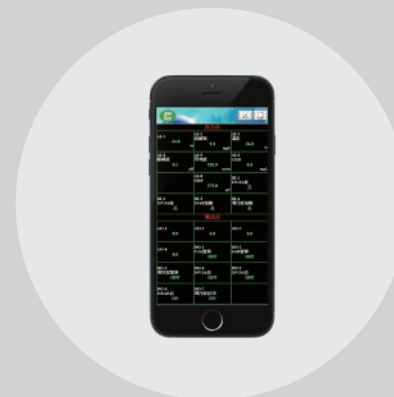
泰国污水厂
Thai sewage works



农村一体化污水处理
Rural integration



河道监测
River monitoring



短信控制
SMS control

短信报警
SMS alarm



4 ~ 20mA 传感器
4~20mA sensors

各地污水厂
Sewage works

RS-485 传感器
RS-485 sensors



GSD 污水厂全系列设备供应
GSD sewage works whole series equipment supply

S - 各种传感器 All kinds of sensors

决策层 Decision-making level

智慧水务管理系统:

设备故障预警 | 设备寿命管理
自动派工巡检 | 能耗分析优化
成本分析优化

Smart Water Management System:

Early warning of equipment fault
Management of equipment service life
Routing inspection of automatic dispatch
Analysis & optimization of energy consumption
Analysis & optimization of cost

监控层 Monitoring level

中央集成管理系统:

站点列表 | 实时报警 | 维护记录
汇出报表 | 大数据存储
即时 / 历史趋势图

Central integrated management system:

Stations list | Real-time alarm
Maintenance record | Remittance report
Big data storage
Immediate & historic trend diagram

传输层 Transmission level

EP6 物联监控管理系统:

监控 / 存储 / 传输 | 五段时间排程
多段自动控制 | 报警短信通知
短信控制设备 | 短信获取实时数据

EP6 IoT monitoring and management system:

Monitor / storage / transmission
5-segment time scheduling
Multi-segment automatic control
SMS alarm
SMS control
Acquisition of real-time data via short message

感知层 Perception level

传感器连接至 EP6 物联监控管理系统

Sensor connected to EP6 IoT monitoring and management system

设备层 Equipment level

设备 | 工艺 | 水质 | 环境

Equipment | Technology
Water quality | Environment

规格表

SPEC SHEET

电源 Power supply	9~36VDC	
环境 Ambient	工作环境温度 Operating ambient temperature	-20~60°C (-4 °F ~140 °F)
	储存温度 Storage temperature	-30~70°C (-22 °F ~158 °F)
	相对湿度 Relative humidity	0 ~ 100%RH 非凝结 No condensation
控制输出 Control output	控制输出点数 Number of control output point	2 点 2 points
	继电器接点容量 Relay contact capacity	90~250VAC ≤ 1A (大功率须加中继 RELAY) (In case of high power, RELAY shall be added.)
通讯功能 Communication function	以太网接口 Ethernet interface	RJ-45 以太网网络具 Web Service 功能, 协议 Modbus TCP RJ-45 Ethernet has Web Service function, protocol
	通讯接口 Communication interface	RS-485
	通讯协议 Communication protocol	Modbus RTU
	2G/3G/4G/5G	视 SIM 卡通讯 (如果为高规格会自动向下兼容) Visual communication with SIM card (if it is high standard, it will be automatically compatible downward.)
	锂电池 Lithium battery	103450 3.7V 1800mAh
讯号输出 (AO) Signal output (AO)	输出点数 Number of output point	4 点 4 points
	输出讯号 Output signal	4-20mA(可设定为 AO、PID 或手动输出控制) 4-20mA (can be set as AO, PID or manual output control)
讯号输入 (AI) Signal input (AI)	输入点数 Number of input point	6 点 (可透过 Jump 改成 DI x 6 组) 6 points (can be changed to DI x 6 groups through Jump)
	输入讯号 Input signal	4-20mA(带电输出电压同电源输入电压) 4-20mA (charged output voltage, input voltage with the same power supply)
物理条件 Physical conditions	产品尺寸 (mm) Size	252X147.36X55 (WxHxD)
	产品重量 Weight	1kg
	材质 Material	PC
	耐候等级 Weather-resistant grade	IP65
选配 Matching	A6D6	扩充板, 6 个 AIDI 可跳线、6 个 DO Expansion board, 6 AIDIs, can be jumper, 6 DO
软件 Software	自带 Webservice, 不需写软件, 不需下载操作系统或 APP (Since there is self-provided Webservice, there is no need to write Software, and no need to download operating system or APP.)	
安规认证 Safety certification	CE 与 FCC 认证 CE and FCC certification	
记录 Record	内置 U 盘 Built-in USB flash disk	
专利 Patent	专利号 ZL 2014 2 0150234.X 云端数据收集及预警系统 专利号 ZL 2012 2 0018015.7 简讯预警系统 Patent No.: ZL 2014 2 0150234.X cloud data collection and early warning system Patent No.: ZL 2012 2 0018015.7 SMS early warning system	

如蒙洽询请指示下列各项

FOR ENQUIRIES, PLEASE INDICATE THE FOLLOWING ITEMS

客户 Customer 承办人员 Undertaker
 项目名称 Name of Project
 安装地址 Address of Project
 电话 Telephone 传真 Fax

客户需求
Customer demand

单机 Stand-alone
 是否为 GSD 制造? Whether manufactured by GSD?
 是 Yes, 名称 Name 型号 Model
 否 No, 名称 Name 制造单位 Manufacture company
 型号 model 需监测点位 Points are required to be monitored
 其他 Other

PLC 资讯
PLC information

是否已安装 PLC? Whether PLC is installed?
 是 Yes, 品牌 Brand 型号 Model
 PLC 是否有 485 端口? Whether branded PLC has 485 port? 是 Yes 否 No
 PLC 是否有以太网端口? Whether LC have Ethernet port? 是 Yes 否 No
 否 No

传感器资讯
Sensor information

客户是否已自备传感器? Whether customers have their own sensors?
 是 Yes, 4~20mA, 传感器名称 Sensor name 品牌 Brand 型号 Model
 RS-485, 传感器名称 Sensor name 品牌 Brand 型号 Model
 其他类型传感器 Other types of sensors
 否 No

现场配电
Field power distribution

是否有配电系统? Whether there is a power distribution system?
 是 Yes, 单相 single phase 三相 three phase,VHz
 需控制电机 electric machine: 变频 frequency conversion 台, 定频 fixed frequency 台
 否 No

数据传输方式
Mode of data transmission

网络 Network, 是否有固定 IP? Whether there is fixed IP? 有固定 IP Yes 无固定 IP No
 4G, 手机有无信号? Whether mobile has signal? 有信号 Yes 无信号 No

SCADA

是否需安装可视化管理系统 (如 SCADA)?
 Whether there is need to install visualized management system (e.g. SCADA)?
 是 Yes 否 No

其他
Others

该项目相关材料, 如设计图、照片
 Materials related to the project, such as design drawings and photos