

长电科技环境管理政策

JCET Environmental Management Policy

1、Purpose 目的

长电科技始终努力实现环境、社会、经济效益的高度统一，致力于保护自然资源，做到可持续发展，并帮助提高业务所在地区的环境质量。我们按照ISO 14001：2015标准建立环境管理体系，并形成长电科技环境管理手册，加以实施和保持，并持续有效改进其有效性。

本手册描述和阐明了构成本公司环境管理体系的各项标准要求，包括方针、管理方案和职能组织及职责。

JCET always strives to achieve a high degree of integration of environmental, social and economic benefits, and is committed to protecting natural resources, achieving sustainable development, and helping to improve the environmental quality of the regions in which we operate. JCET follows ISO 14001: 2015 standard company and establishes environment management system which is documented for implementation and continually improves to keep its effectiveness.

This Policy describe and clarify the standard requirements that constitute the company's EMS management system, including the policy, objective and target management plans, functional organization and responsibilities.

2、Scope 范围

本公司采用的环境管理体系的覆盖范围

江苏长电科技股份有限公司集成电路、基板封装、分立器件产品的封装测试生产，包括：

- 江苏长电科技股份有限公司（集成电路 D3）；
- 江阴长电先进封装有限公司；
- 星科金朋半导体(江阴)有限公司；
- 长电科技（宿迁）有限公司；
- 长电科技（滁州）有限公司；
- 星科金朋有限公司（新加坡）；
- 星科金朋韩国有限公司；

- 长电科技星科金朋韩国有限公司。

Coverage of EMS Management System

Packaging, testing and production of integrated circuit and semiconductor devices of JCET Group Co., Ltd., including:

- JCET D3 (Jiangyin);
- JCET Advanced Packaging Co. Ltd (JCAP);
- STATS ChipPAC Semiconductor (JiangYin) Co. Ltd (JSCC);
- JCET D8 (Suqian);
- JCET D9 (Chuzhou);
- STATS ChipPAC Pte. Ltd (SCS);
- STATS ChipPAC Korea Ltd (SCK);
- JCET STATS ChipPAC Korea Ltd (JSCK).

3、REFERENCE DOCUMENTS 参考文件

Document Number	Document Title
1. GB/T 24001-2016/ ISO14001: 2015	1. 《环境管理体系—要求及使用指南》 1.Environmental management system - requirements and guidelines
2. GB/T23331-2020/ISO50001:2018	2. 《能源管理体系—要求与使用指南》 2. Energy management system- requirements and guidelines
3. ISO 14064-1:2018	3. 《温室气体-第一部分：在组织层面温室气体排放和移除的量化和报告性规范》
4. ISO 14067-2018	

	<p>3.Greenhouse gases - Part 1: Quantification and reporting standards for greenhouse gas emissions and removals at the organizational level</p> <p>4. 《温室气体-产品碳足迹-量化要求和指南》</p> <p>4.Greenhouse gases - Product carbon footprint - Quantitative requirements and guidelines</p>
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4、EHS Policy, Commitment and Objectives 环境职业健康安全方针、承诺及目标

(1) Policy Contents 方针内容

以人为本，综合治理，全面保障健康安全；

节能降耗，清洁生产，预防和控制环境污染；

诚信守法，持续改进，同创安全绿色长电。

People-oriented, comprehensive management, overall protection of health and safety;

Energy saving and consumption reduction, cleaner production, prevent and control environmental pollution;

Integrity and law-abiding, continuous improvement, create safe and green JCET together.

(2) Policy Communication and Review 方针沟通与审核

- 方针的相关内容将通过文件、宣传栏、培训等形式在公司内部进行传达；通过协议、培训等形式向相关方传达。

The relevant content of the policy is communicated within the company through documents, bulletin boards, training, etc.; the company' s relevant parties are communicated through agreements, trainings, etc..

- 公司每年进行管理评审会议，对方针的持续适宜性、充分性和有效性进行评价。

Through the annual management review meeting and the continuous suitability, sufficiency

and effectiveness of the policy is evaluated.

(3) Commitment to continuous improvement of environmental performance

(3) 持续改善环境表现的承诺

- 牢固树立环保意识：开展环境宣传教育与培训，倡导科学发展理念，加强企业文化建设；

Firmly establish environmental protection awareness: carry out environmental publicity, education and training, advocate the concept of scientific development, and strengthen the construction of enterprise culture;

- 严格遵守环保法规：坚持贯彻落实环境保护法律法规，自觉遵守各项环境保护政策；

Strictly abide by environmental protection laws and regulations: insist on the implementation of environmental protection laws and regulations, and consciously abide by various environmental protection policies;

- 切实加强污染防治：加强污染设施运行管理，确保废水、废气达标排放，减少污染物排放；

Effectively strengthen pollution prevention and control: strengthen the operation and management of pollution facilities, ensure that wastewater and waste gas meet the standards, and reduce the emission of pollutants;

- 资源利用与节约：加强节能减排资金投入和节能技术改造，推行资源节约措施，提高资源利用率；

Resource Utilization and Conservation: Strengthen investment in energy conservation and emission reduction funds, as well as energy-saving technology upgrades, implement resource conservation measures, and improve resource utilization;

- 生态保护和可持续发展：设定减少碳排放战略目标，保护自然资源，加强可再生能源投入，推广循环经济；

Ecological protection and sustainable development: setting strategic targets for reducing carbon emissions, protecting natural resources, strengthening inputs of renewable energy and promoting circular economy;

我们承诺将上述环境保护措施纳入我们的日常经营活动中，并不断改进和提升我们的环境保护工作。

我们坚信，通过集体努力和责任意识，我们能够为一个更美好的环境，贡献自己的一份力量。

We are committed to incorporating the above environmental protection measures into our day-to-day business activities and to continuously improve and enhance our environmental protection efforts. We firmly believe that through collective efforts and a sense of responsibility, we can contribute our share to the creation of a better environment.

(4) Sustainability Targets

(4) 可持续发展目标

- 2025年碳达峰、2030年自身运营碳中和；
- Peak carbon by 2025, own operations carbon neutral by 2030;
- 2025年水回用率50%；
- 50% water reuse by 2025;
- 2024年填埋率<1%；
- Landfill rate <1% by 2024;
- 2030年可再生能源使用率90%；
- 90% renewable energy use by 2030;

5、Environment Management Plans 环境管理工作

(1) 水污染控制管理 Water Pollution Control Management

- 各工厂产生的生产废水以及生活污水必须按照国家有关规定和标准进行处理后排放。
The industrial wastewater and domestic wastewater generated by each factory must be treated according to the relevant local regulations and standards before discharge.
- 建设项目主体工程设计的时必须同时设计污水处理方案，方案讨论应有环保管理部门参与。
The wastewater treatment scheme must be designed at the same time as the main construction project, and the environmental management department shall participate in the discussion.

- 各工厂动力&厂务部门必须做好对污水运行托管单位的日常管理和监督工作，确保排放水稳定持续达标排放。

The facility & power department of each factory is responsible for the daily management and supervision of the WWTP operation third parties to ensure the discharged water is stable and compliance to the standards.

- 各工厂EHS部门负责对污水处理设施的运行情况进行监督检查，联系政府环保部门或第三方有检测能力的检测机构对废水排放指标进行监测。

The EHS department of each factory is responsible for supervising and inspecting the operation of wastewater treatment facilities, and contacting the government environmental protection agencies or qualified contractors to monitor the discharge water.

(2) 大气污染控制管理 Air Pollution Control Management

- 各工厂所有排放废气必须经过处理达标后排放。

The exhaust waste air produced by each factory must be treated to the relevant regulations and standards before discharge.

- 各工厂动力&厂务部门负责废气处理设施的日常运行和维护保养，确保废气处理设施的正常运转、废气达标排放。

The facility & power department of each factory is responsible for the daily management and maintenance of the waste air treatment facilities to ensure their normal operation and the waste air emission up to standard.

- 各工厂EHS部门负责对废气处理设施的运行情况进行监督检查，联系政府环保部门或第三方有检测能力的检测机构对废气排放指标进行监测。

The EHS department of each factory is responsible for supervising and inspecting the operation of waste air treatment facilities, and contacting the government environmental protection agencies or qualified contractors to monitor the waste air emission.

(3) 噪声控制管理 Noise Control Management

- 新建项目在设计和审核过程中，应从工艺、设备选型、选址上把噪声防治因素考虑进去，尽量降低噪声源的产生强度。

During the design and review of new projects, noise prevention factors should be taken into account in the process, equipment selection and site selection to minimize the intensity of noise sources.

- 在布置、安装设备时，大噪声设备尽量放在室内低空处，出于工艺需要而安装在室外高空处的，应该采取加隔音室、减震、加消音器等措施。

During the arrangement and installation of equipment, loud noise equipment shall be placed at the indoor low level area. For the equipment installed at the outdoor high level due to process needs, measures such as adding sound insulation room, shock absorption and mufflers shall be taken.

- 各工厂应做好主要噪声源设备和现有噪声治理设备进行维护。

Each factory shall maintain the main noise source equipment and existing noise control facilities.

- 各工厂EHS部门负责联系政府环保部门或第三方有检测能力的检测机构对噪声排放指标进行监测。

The EHS department of each factory is responsible for contacting the government environmental protection agencies or qualified contractors to monitor the noise emission.

(4) 固体废弃物管理 Solid Waste Management

- 各工厂后勤部门负责做好一般固废的处置工作。

The logistic department of each factory is responsible for the disposal of general solid waste.

- 各工厂EHS部门做好危险固体废弃物的处置工作。

The EHS department of each factory is responsible for the disposal of hazardous waste.

(5) 相关方环境管理 Environmental Management of Interested Parties

- 公司供应链负责对供应商的管理，评价相关方环境管理情况，实施动态管理。

The corporate supply chain is responsible for managing suppliers, evaluating the environmental management of interested parties, and implementing dynamic management.

- 各工厂职责部门负责对相关外包协作单位的管理，并传达相关的环保/职业健康安全要求。

The functional department of each factory is responsible for managing the relevant contractors and conveying relevant EHS requirements.

- 对于内外部利益相关方，积极宣贯本公司《环境管理政策》及ESG管理理念，提高利益相关方的环境保护意识，促进利用相关方协同发展。

For internal and external stakeholders, actively promote the Company's environmental management policies and ESG management concepts, raise stakeholders' awareness of environmental protection, and promote the use of synergistic development of stakeholders.

(6) 环保检查管理 Environmental Protection Inspection Management

- 污水处理运行状况检查。指标日常记录值和监测值是否均达标，污水处理相关设备是否运行正常，托管单位运行资质是否在有效期内，污水站操作员、分析员是否经过培训，有无操作证。

Inspection of wastewater treatment facility operation: whether the daily record value and monitoring value of indicators are up to standard, whether the equipment operates normally, whether the qualification of the operation contractors is within the validity period, and whether the operators and analysts are trained and have operation certificates.

- 喷淋塔运行状况检查。酸雾塔管理制度、加药记录、吸收液PH值检测记录是否齐全，设施运行状态是否正常。

Inspection of spray tower operation: whether the spray tower management system, dosing records, absorption solution PHT value detection records are complete, and whether the facility operation status is normal.

- 厂界噪声检查。主要噪声源设备是否有异常，现有噪声治理设备是否完好。

Inspection of boundary noise: whether the main noise source equipment is abnormal and whether the existing noise control equipment is in good condition.

- 危险废弃物贮存和处理检查。各厂区危废处理单位资质证书、危废处理协议是否在有效期内、危险废物堆放点分类标识是否齐全、危险固废是否分类堆放。

Inspection of hazardous waste storage and disposal: whether the qualification certificate of hazardous waste disposal contractor is within the validity period, whether the disposal agreement is within the validity period, whether the classification marks in hazardous waste storage place are complete, and whether hazardous wastes are stored separately by classification.

- 化学品仓库检查。

Inspection of chemical warehouse.

(7) 环境事故应急管理 Environmental Accidents Emergency Management

- 各工厂必须编制突发环境事件应急预案，对预案内容对相关部门人员进行培训，并组织人员演练。

Each factory must prepare emergency response plans for environmental emergencies/accidents, train relevant department personnel on the contents of response plans, and organize drills.

- 各工厂污水托管单位必须建立污水站应急管理制度，并在EHS部门处备案。

Wastewater treatment facility operation contactor of each factory must establish an emergency management system and put it on file with EHS department.

(8) 绿色可持续发展管理及碳排放体系管理

Green Sustainable Development Management & Carbon Emissions System Management

- 每年向社会公开发布的环境、社会及治理（ESG）报告，并对ESG相关议题实践与绩效进行披露。

Annual environmental, social and governance (ESG) report publicly released to the community and disclosure of practices and performance on ESG-related issues.

- 每年制定能源管理计划，推进减少能源使用量的行动，积极开展清洁能源使用（安装太阳能光伏板等）。

Develop energy management plans annually to promote actions to reduce energy use and actively pursue clean energy use (installation of solar photovoltaic panels, etc.).

- 积极开展能源管理体系建设，为员工提供能效管理培训，提高能效管理水平。

Actively carry out the construction of energy management systems, provide employees with training in energy efficiency management, and improve the level of energy efficiency management.

- 每年持续开展碳盘查工作（范围一、二、三），及时掌握集团碳排放情况，并进行碳核查认证。

Carbon inventory work (Scope I, II and III) is carried out annually on an ongoing basis to keep abreast of the Group's carbon emissions and to conduct carbon verification and certification.

- 逐步开展产品碳足迹认证工作，掌握产品的全生命周期温室气体排放量，为降碳做好充分准备。

Gradually carry out product carbon footprint certification work, grasp the full lifecycle greenhouse gas emissions of products, and make full preparations for carbon reduction.

6、ROLES AND RESPONSIBILITY (RACI) 角色和职责

公司每年制定年度目标指标和管理方案，并且按公司运营流程、PDCA方法和过程模式策划环境管理体系运行方法，各部门予以实施、监测和改进。

The company makes Annual Objectives, Targets and Management Program, and planned the operation method of the environment management system according to the company's operation process, PDCA method and process mode, and implemented, monitored and improved by all departments.

Role (R=Responsibility, A=Accountability, C=Consulted, I=Informed)				
Department / Function	CEO	质量管理 QA	安全环保 EHS	各部门 Each Dept.
制订环境职业健康安全方针; Formulate EHS Policy;	A	I	I	I
制订环境管理目标、指标和管理方案; Formulate environment Objectives, Targets and Management Program;	A	R	R	R
制订体系相关职能架构及工作职责; Formulate the functional structure and job responsibilities of the system;	A	R	R	R
过程策划、过程管理; Process planning, process management	A	R	R	R

7、Review and Update 审核与更新

长电科技会定期审核此政策，在有需要的情况下将进行更新，并核准发布。

JCET will review this policy on a regular basis and update it if necessary and approve for publication.

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