



证书 CN22/00001534

下述组织

中芯国际集成电路制造 (上海)有限公司

统一社会信用代码 91310115710939629R

注册地址: 中国(上海)自由贸易试验区张江路 18 号

经营地址: 中国上海市浦东新区张江路 18 号

的管理体系已经过审核, 并被证明符合下述要求

GB/T 23331-2020/ ISO 50001:2018 RB/T 101-2013

所涉及的活动范围覆盖

集成电路制造过程中涉及到的能源采购、接收、贮存、加工转换、输配、
使用、余热余能回收利用过程的管理及节能技术的应用。

获证组织上年度和本年度的单位产品综合能耗和万元产值能耗及能耗核算边界见标有相同证书注册号的证书
附件, 证书附件是本证书的组成部分

该证书的有效期自 2022 年 06 月 21 日至 2025 年 06 月 20 日
并须经过符合要求的监督审核保持有效
持续认证至少在证书失效前 60 天执行
版本号 1. 初始注册日期 2022 年 06 月 21 日

签署

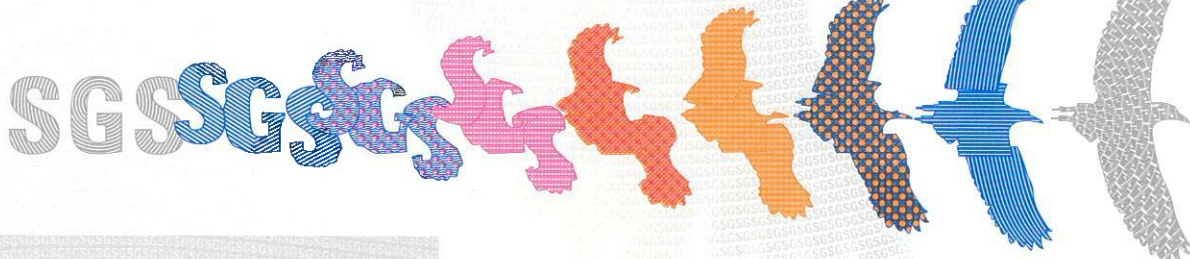
通标标准技术服务有限公司

北京市阜成路 73 号世纪裕惠大厦 16 层 100142

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本证书信息可在国家认证认可监督管理委员会公示的网站 www.cnca.gov.cn 上查询

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中芯国际集成电路制造 (上海)有限公司

统一社会信用代码 91310115710939629R
中国上海市浦东新区张江路 18 号

**GB/T 23331-2020/
ISO 50001:2018
RB/T 101-2013**

版本号 1



获证组织能效指标及能耗核算边界

审核类型及时间	审核周期内单位产品/产值能耗	能耗核算边界
初次审核 2022年6月 8-10日	2020年1月-2020年12月 0.095 吨标准煤/万元 1.415 吨标准煤/平方米 2021年1月-2021年12月 0.092 吨标准煤/万元 1.377 吨标准煤/平方米	位于中国上海市浦东新区张江路 18 号的中芯国际集成电路制造(上海)有限公司的工厂(不包括江阴项目和凸版项目), 主要用能过程包括清洗、氧化扩散、CVD 沉积、光刻、去胶、干法刻蚀、CMP 抛光、湿法腐蚀、离子注入、溅射、检测等生产过程以及锅炉运行、压缩空气制取、排风照明、暖通空调、工艺冷却水制取、纯水制取、废水处理和废气处理等辅助生产过程。 2020年1月-2020年12月等效8英寸晶圆产量: 48643 平方米 2021年1月-2021年12月等效8英寸晶圆产量: 50712 平方米
第1次监督 年月日		
第2次监督 年月日		

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Certificate CN22/00001534

The management system of

Semiconductor Manufacturing International (Shanghai) Corporation

Unified Social Credit Code 91310115710939629R

Business Registration Address: No. 18, Zhangjiang Road, China (Shanghai) Pilot Free Trade Zone

Business Operation Address: No. 18, Zhangjiang Road, Pudong New Area, Shanghai City, P.R. China



has been assessed and certified as meeting the requirements of

GB/T 23331-2020/ ISO 50001:2018 RB/T 101-2013

For the following activities

Manufacture of integrated circuits involving management of energy procurement, receiving, storage, processing and conversion, transmission and distribution, use, waste heat and waste energy recycling and the utilization of energy-saving technologies.



For the detail information regarding boundaries and comprehensive energy consumption, please see the appendix with the same number of this certificate and it is the component of this certificate.

This certificate is valid from 21 June 2022 until 20 June 2025 and remains valid subject to satisfactory surveillance audits.

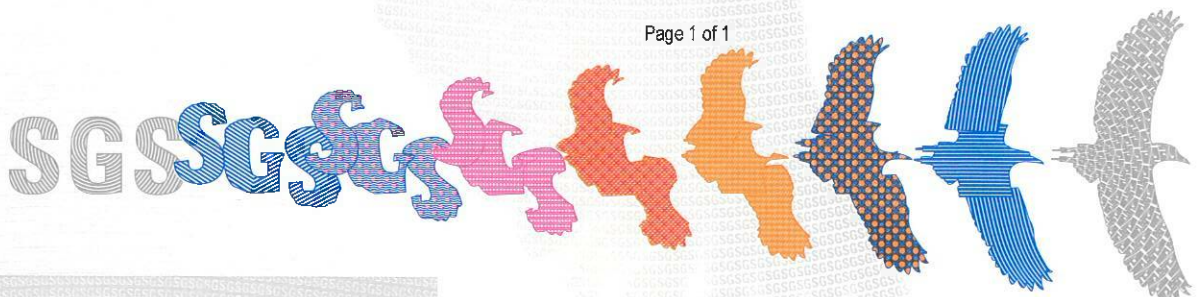
Re certification audit due a minimum of 60 days before the expiration date
Issue 1. Certified since 21 June 2022.

Authorized by

SGS CSTC Standards Technical Services Co., Ltd.
16F Century YuHui Mansion, No. 73 Fucheng Road, Beijing, P.R. CHINA 100142
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The certification information can be verified on the web site of Certification and Accreditation Administration of the People's Republic of China www.cnca.gov.cn

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The Appendix of Certificate CN22/00001534

Semiconductor Manufacturing International (Shanghai) Corporation

Unified Social Credit Code 91310115710939629R
No. 18, Zhangjiang Road, Pudong New Area, Shanghai City, P.R. China

GB/T 23331-2020/ ISO 50001:2018 RB/T 101-2013

Issue 1



Organization's energy performance indicators and boundaries

Audit type and date	Energy consumption per unit product or unit output value during audit cycle	Boundaries
Initial Audit Jun.8-10, 2022	<p>Jan.2020 - Dec.2020 0.095 tce/ten thousand yuan 1.415 tce/m²</p> <p>Jan.2021 - Dec.2021 0.092 tce/ten thousand yuan 1.377 tce/m²</p>	<p>The plant located at No. 18, Zhangjiang Road, Pudong New Area (excluding Jiangyin Project and TSES Project), Shanghai City, P.R. China, main energy use process including cleaning, oxide diffusion, CVD (Chemical Vapor Deposition), Litho, stripping of photoresist, Dry Etch, CMP (chemical mechanical polisher), Wet Etch, implant, sputter, testing and auxiliary production process including boiler operation, compressed air extracting, ventilation and lighting, heating ventilation air conditioning, process cooling water extraction, Ultra-Pure Water extraction, waste water treatment and exhaust treatment system.</p> <p>Jan. 2020- Dec. 2020 Production volume of Equivalent 8-inch wafer: 48643 m² Jan. 2021- Dec. 2021 Production volume of Equivalent 8-inch wafer: 50712 m²</p>
1 st Sur		
2 nd Sur		