



证书 CN21/31679

下述组织

中芯国际集成电路制造 (深圳)有限公司

统一社会信用代码 914403006729728144

注册地址: 中国广东省深圳市坪山区龙田街道出口加工区高芯路 18 号
经营地址: 中国广东省深圳市坪山区龙田街道出口加工区高芯路 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

以电力、压缩空气、天然气为主要能源, 晶圆的生产经营过程中涉及到的
能源采购、接收、贮存、加工转换、输送、使用等相关的能源管理活动
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 2021 年 09 月 11 日至 2024 年 09 月 10 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 2021 年 09 月 11 日

签署

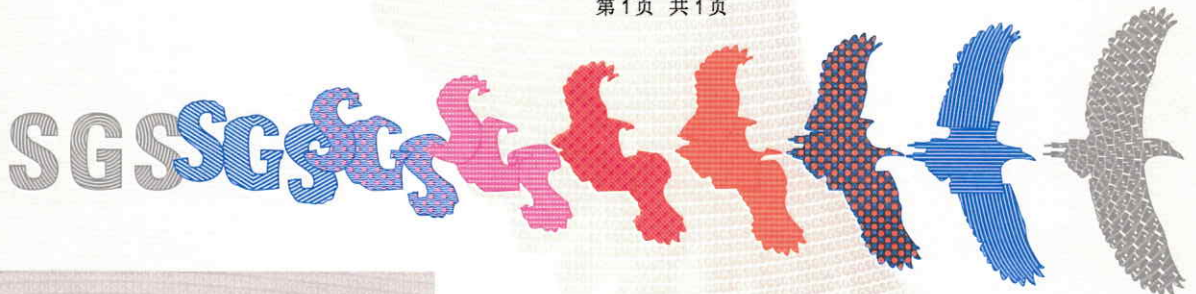
通标标准技术服务有限公司

北京市阜成路 73 号世纪裕惠大厦 16 层 100142

电话: +86 (10)6845-6699 传真: +86 (10)6845-8121 www.sgs.com

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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Certificate CN21/31679

The management system of

Semiconductor Manufacturing International (Shenzhen) Corporation

Unified Social Credit Code 914403006729728144

Business Registration Address: No. 18, Gaoxin Road, Export Processing Zone, Pingshan Area, Shenzhen City, Guangdong Province, P.R. China
Business Operation Address: No. 18, Gaoxin Road, Export Processing Zone, Pingshan Area, Shenzhen City, Guangdong Province, 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

Management of the purchasing, receiving/storage, processing and transformation, distribution and consumption of energy in addition to application of energy saving technology in manufacture of the wafer. Electricity, natural gas and compressed air are the major source of energy.



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.

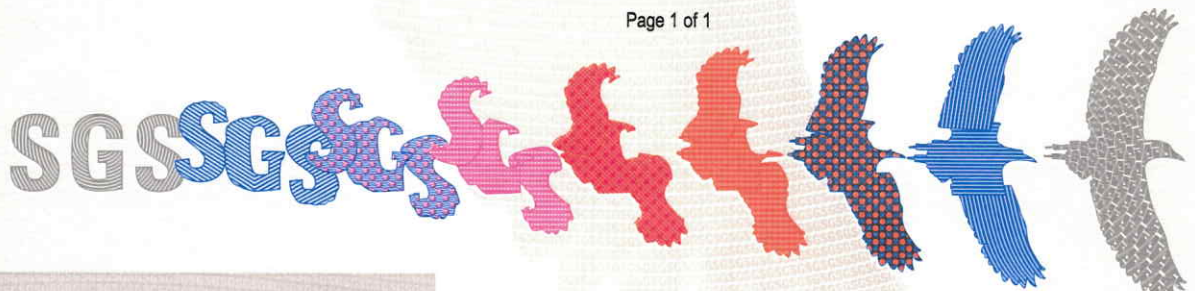
This certificate is valid from 11 September 2021 until 10 September 2024 and remains valid subject to satisfactory surveillance audits. Re certification audit due a minimum of 60 days before the expiration date Issue 1. Certified since 11 September 2021.

Authorized by

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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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中芯国际集成电路制造 (深圳)有限公司

统一社会信用代码 914403006729728144
中国广东省深圳市坪山区龙田街道出口加工区高芯路 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 2021年8月 16~17日	2019年10月-2020年09月 单位产品能耗: 542.09 tce/万PCS 单位产值能耗: 0.1688 tce/10K ¥ RMB 2020年10月-2021年6月 单位产品能耗: 459.44 tce/万PCS 单位产值能耗: 0.1627 tce/10K ¥ RMB	边界: 位于中国广东省深圳市坪山区龙田街道出口加工区高芯路18号的中芯国际集成电路制造(深圳)有限公司, 主要用能过程包括成膜、图形转移、功能实现、检测等生产过程和配电系统、中央空调系统、热水锅炉系统、VOC燃烧炉系统、纯水系统等辅助生产过程。 产量 2019年10月-2020年09月 晶圆: 459892 PCS 2020年10月-2021年6月 晶圆: 400838 PCS
第1次监督 年月日		
第2次监督 年月日		

Semiconductor Manufacturing International (Shenzhen) Corporation

Unified Social Credit Code 914403006729728144
 No. 18, Gaoxin Road, Export Processing Zone, Pingshan Area,
 Shenzhen City, Guangdong Province, 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 Aug.16~17, 2021	<p>From Oct 2019 to Sept 2020 Energy consumption per unit product: 542.09 tce/10K PCS</p> <p>value of comprehensive energy consumption: 0.1688 tce/10K ¥RMB</p> <p>From Oct 2020 to Jun 2021 Energy consumption per unit product: 459.44 tce/10K PCS</p> <p>Ten thousand yuan of output value of comprehensive energy consumption: 0.1627 tce/10K ¥RMB</p>	<p>Boundary: Semiconductor Manufacturing International (Shenzhen) Corporation is located in No. 18, Gaoxin Road, Export Processing Zone, Pingshan Area, Shenzhen City, Guangdong Province, P.R. China. Energy consumption includes production processes including film build, graphic transfer, function implementation and testing and the main auxiliary production processes including power distribution system, central air-conditioning system, hot water boiler system, VOC furnace system and pure water system.</p> <p>Output: From Oct 2019 to Sept 2020 Wafer: 459892 PCS</p> <p>From Oct 2020 to Jun 2021 Wafer: 400838 PCS</p>
1 st Sur		
2 nd Sur		