

证书 CN19/20131

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

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 23331-2012/ ISO 50001:2011 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 14/01/2019 至 19/08/2021 并須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 14/01/2019

签署

Com

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证书 CN19/20131 附件

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 23331-2012/ ISO 50001: 2011 RB/T 101-2013

> > 版本号1

SGS SGS



获证组织能效指标及能耗核算边界

审核类型及	审核周期内单位	化杠拉筒计甲
时间	产品/产值能耗	能耗核算边界
初次审核2019年1月7-9日	2017年1月-2017年12月: 0.08249 吨标准煤/万元 1.386 吨标准煤/平方米 2018年1月-2018年11月: 0.09440 吨标准煤/万元 1.383 吨标准煤/平方米	位于中国上海市浦东新区张江路 18 号的工厂(不包括绍兴项目、江姆 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、检测等生产过程以及锅炉、压缩空工艺废销取、排风照明、中央水处理等辅助生产过程以及食堂过程以及 人工 电 1月-2017 年 1月:59667.4104 平方米(等效 8 英寸晶圆) 2018 年 1月-2018 年 1月53990.416 平方米(等效 8 英寸晶圆)
第 1 次 监督 年 月 日		\$63(6)\$7(0)\$ \$1,000 \$1,
第 2次监督年 月 日		000 (100 (100 (100 (100 (100 (100 (100

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Certificate CN19/20131

The management system of

Semiconductor Manufacturing International (Shanghai) Corporation

Unified Social Credit Code 91310115710939629R

No. 18, Zhangjiang Road, Pudong New Area, Shanghai City, P.R. China

has been assessed and certified as meeting the requirements of

GB/T 23331-2012/ ISO 50001:2011 RB/T 101-2013

For the following activities

Manufacture of integrated circuits, including energy procurement, energy acceptance, energy storage, energy processing and conversion, energy distribution, energy use and relative activities of energy management and application of energy saving technology

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.

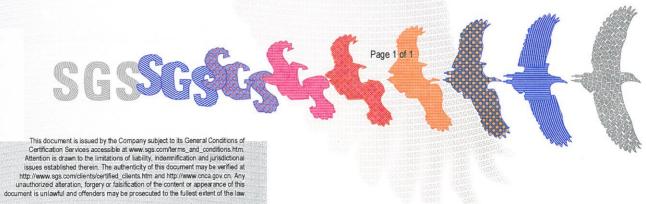
This certificate is valid from 14/01/2019 until 19/08/2021 and remains valid subject to satisfactory surveillance audits. Recertification audit due a minimum of 60 days before the expiration date. Issue 1. Certified since 14/01/2019.

Authorized by

(on

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The Appendix of Certificate CN19/20131

Semiconductor Manufacturing International (Shanghai) Corporation

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

GB/T 23331-2012/ ISO 50001:2011 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 Jan.7-9, 2019	Jan. 2017- Dec. 2017: 0.08249 tce/ten thousand yuan 1.386 tce/m² Jan. 2018- Nov. 2018: 0.09440 tce/ten thousand yuan 1.383 tce/m²	Plant locates at No. 18, Zhangjiang Road, Pudong New Area (excluding Shaoxing Project, Jiangyin Project and TSES Project), Shanghai, P.R. China, Production main energy use process includes 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, compressed air supply, ventilation, lighting, heating ventilation air conditioning, process cooling water, Ultra- Pure Water, waste water treatment, and exhaust treatment system as well as subsidiary production process including canteen Jan. 2017- Dec. 2017: 59667.4104 m² (Equivalent 8-inch wafer) Jan. 2018- Nov. 2018: 53990.416 m² (Equivalent 8-inch wafer)
1 st Sur		UNIOS BEST SE
2 nd Sur		\$25.5 (\$75.5) \$2.5 (\$75.5) \$3.5





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