



SOLCHIP

Powering IoT Sustainably 为物联网驱动可持续性

July 2022年7月





58%

36%

73%

Our value proposition 我们的价值主张













We provide autonomous all-in-one IoT chip based solutions that power sustainable IoT platforms.

我们提供奠基于物联网芯片的一站式自主解决方案，来驱动可持续的物联网平台



A perfect solution for powering IoT

给物联网的完美解决方案

Need 需要	Barrier 障碍	Sol-Chip Solution 解决方案
 <p>POWER 电源 Sensors and actuators need power to operate 传感器和执行器需要电源运作</p>	 <p>Batteries need to be replaced often 电池需要经常更换</p>	 <p>Everlasting energy, zero maintenance 永远持续的能源、零维护</p>
 <p>INTEGRATION 集成 Each type of IoT solution needs a different combination of sensors 每种类型的物联网解决方案需要不同的传感器组合</p>	 <p>Many vendors provide just "one trick pony" point solutions 许多供应商提供只有一个功能的单点解决方案</p>	 <p>Works with numerous sensors, valves and switches 与众多传感器、阀门和开关同运作</p>
 <p>COMMUNICATION 通信 Sensors and actuators need reliable communication links 传感器和执行器需要可靠的通信链接</p>	 <p>Cellular reception is often spotty in rural areas 农村地区的手机信号常不稳</p>	 <p>Reliable two-way long-range, non-cellular communications 可靠的双向、长距、非移动通信</p>
 <p>COMPLETE SOLUTION 完整的解决方案 Need to close the loop 需要闭环</p>	 <p>Many vendors provide just sensing or just actuators control 许多供应商仅提供传感器或执行器的控制</p>	 <p>End to end digitation of any working cycle 对所有工作循环进行端到端的数字化</p>



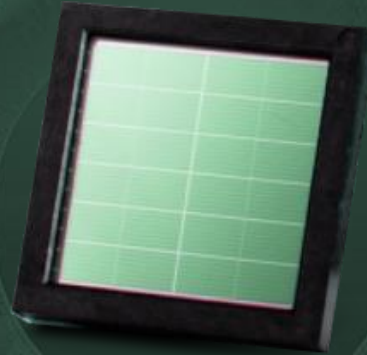
Our patented core technology 我们具专利的核心技术

Solar panel on a chip 芯片上的光伏电板

Does not need direct sunlight
不需要太阳直接照射

Operates in low light levels
including greenhouse and indoor
environments
在低光照度下就可运行，包括大棚
和室内环境

Can mount directly onto PCB
可直接安装在印刷电路板上



High-efficiency charging circuit 高效率的电路充电

Delivers 24/7/365 everlasting energy
提供全天候的持久能源

Provides power bursts to operate valves
为阀门运作提供功率瞬爆

Compatibility with multiple verticals

兼容多个应用场景

Applications 应用	Status 状态
Proptech 地产科技	Launching a Smart Valve to control office radiators 推出控制办公室散热器的智能阀门
Industry 4.0 工业4.0	2 industrial pilots w/Yanmar (Japan) 与日本洋马进行2个工业试点
Logistics (including Storage) 物流（包括仓储）	Grain storage (Sweden) & Assets' tracking (USA) applications under development 正开发谷物储存（瑞典）和资产追踪（美国）的应用
Metering (water, gas) 量表（水、天然气）	Gas flow pilot ongoing w/ Yanmar (Japan) 正与日本洋马进行天然气流量试点
Infrastructure 基础设施	Oil & Gas, Chemicals, other pipes' systems monitoring 石油和天然气、化学品、其他管道系统的监测
Smart Cities 智能城市	Home / Campus / Municipal Gardening / Smart Infra 家庭/校园/市政景观/智能基础设施
Consumer Goods 消费品	LG Electronic Price Tag LG电子价格标签
Dual Use (Defense / Security) 两用（国防/安全）	Israeli MoD 以色列国防部



Our key focus 我们的关键重点

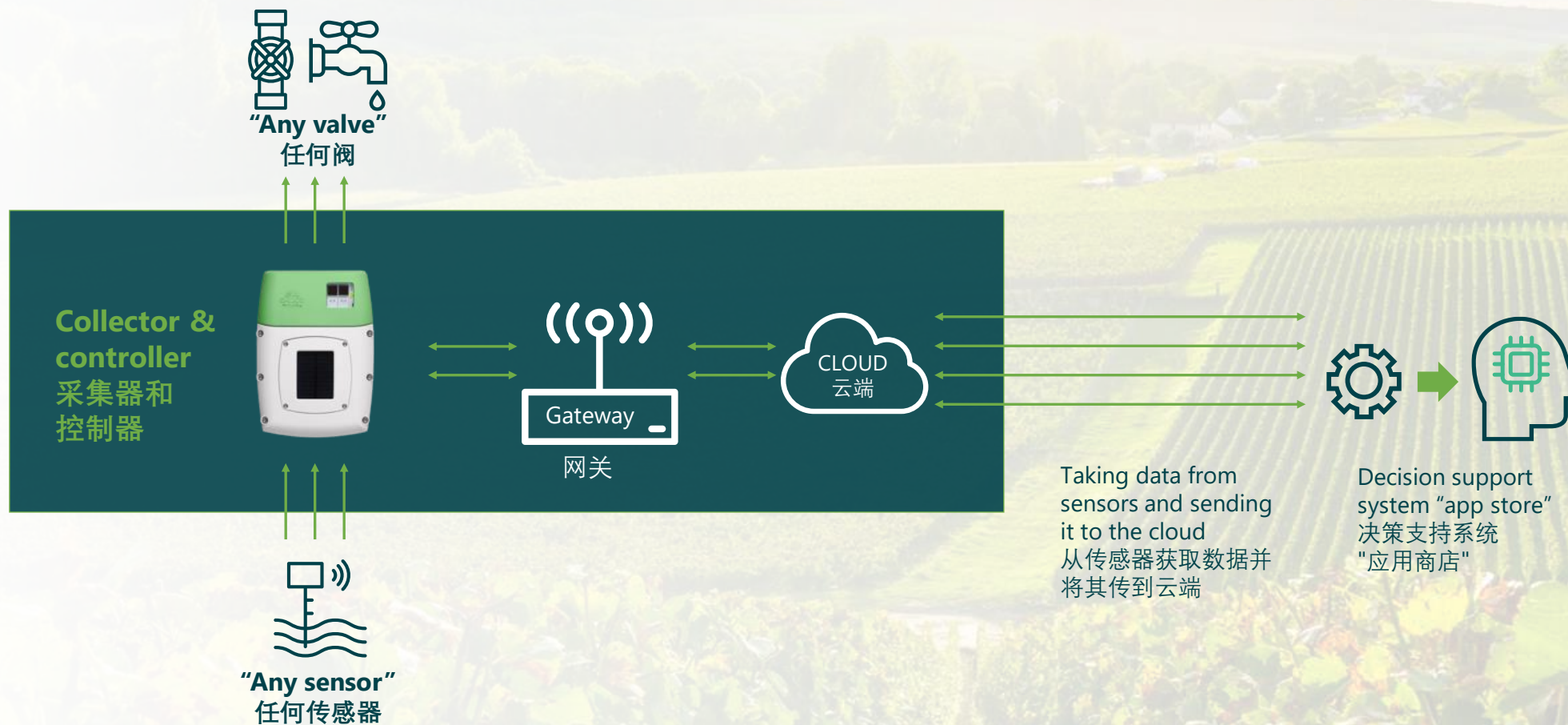


Transforming data to productivity

使数据化为生产力

The ultimate sensing and control platform for IoT

物联网的终极传感控制平台



Major sustainability impact in agriculture 对农业的可持续性产生重大影响



✓ Eliminate batteries
去除电池

✓ Reduce wiring
减少布线

✓ Minimal visits to the field
到田间的次数降到最小



✓ Save water
省水

✓ Reduce chemicals
减少化学品

✓ Improve yield
提高产量



✓ Save Cost
节约成本



Powering global IoT sustainability initiatives

Sol Chip's ESG Mapping

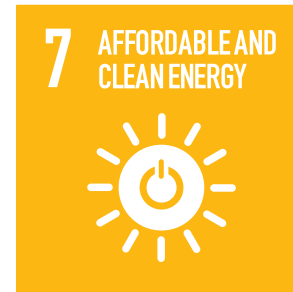
驱动全球物联网可持续性，协助达成联合国可持续发展目标



零饥饿



清洁饮水和卫生设施



经济适用的清洁能源



产业、创新和基础设施



可持续城市和社区



负责任消费和生产

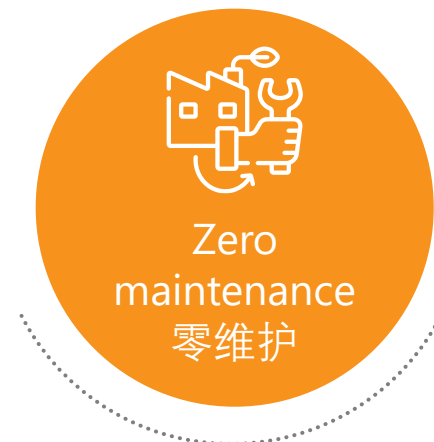


气候行动



Our unique differentiators

我们独特的差异化优势



Company snapshot 公司简介

Israeli company 以色列公司

Owned by VCs and private investors 由风险投资公司和私人投资人所有

Wide patent portfolio 广的专利组合

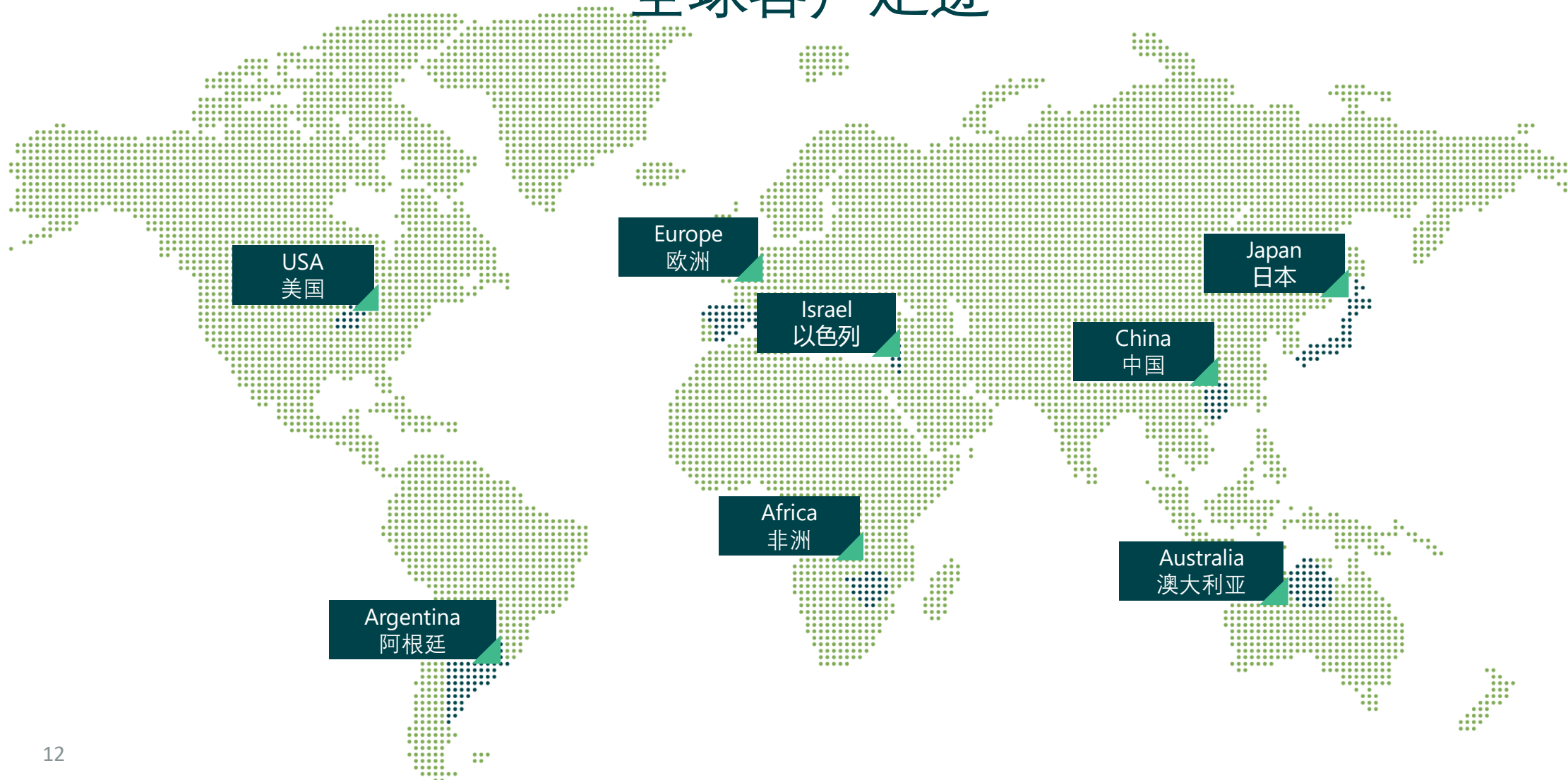
Moving from early sales to global deployment 正从早期销售进展至全球部署

Hundreds of systems installed worldwide 在世界各地已有数百系统的安装



Our Worldwide Customers

全球客户足迹



Highly experienced management team

经验丰富的高管团队



Teddy Golan
CEO 首席执行官

- Vast experience in Water, Energy, Environment, Cleantech & Agtech markets
- Numerous CEO and Biz Dev Positions (IDE, Tahal, Ludan, Rimon, AMS)
- Capital Markets experience
- LLM Commercial Law



Rami Friedlander
Founder and CTO
创始人和首席技术官

- 25+ years in leading international companies – nVidia, Marvell, Zoran
- Led large engineering teams and a successful startup
- M.Sc EE & CS



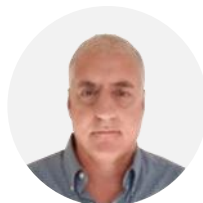
Steve Rhodes
Chairman 董事长

- Chairman & CEO, The Trendlines Group, a leading Israeli investment company
- 30+ years of startup and investment experience
- BA, Harvard University; MBA, University of Chicago



Dr. Shani Keysar
Founder and GM Israel
创始人和以色列总经理

- 25+ years in technology management & process development as Technion researcher and in Semi industry: Tower Jazz
- PhD Material Science, Chemical Eng.



Dan Dishbak
VP Operations
运营副总

- Co-founder CropX (precision ag) and three other companies
- Project manager, Elbit
- 30+ years of startup and investment experience
- B.Sc. Electrical Engineering



Rafi Raytan
CFO 首席财务官

- Advocate, registered in the Israeli Bar.
- Expert in Commercial, Civil and Public Law.
- Wide experience in financial management of startups and holding companies



Campus Gardening 居住区园艺

China Case 中国案例

Central management of entire residential campus
整个居住区的集中管理

Real-time monitoring of apartments home gardens
over big high-rises
对大型高层建筑上的公寓家庭花园进行实时监控

Robust communication over large size vertical cover
穿过大面积垂直绿墙的稳定通信

Maintenance free – no need to replace batteries
免维护 - 无需更换电池



Campus Gardening 居住区园艺

HKLand Campus Gardening Case

香港置地住宅区园艺案例

Hongkong Land - a property investment, management and development group, commercial and residential property interests across Asia

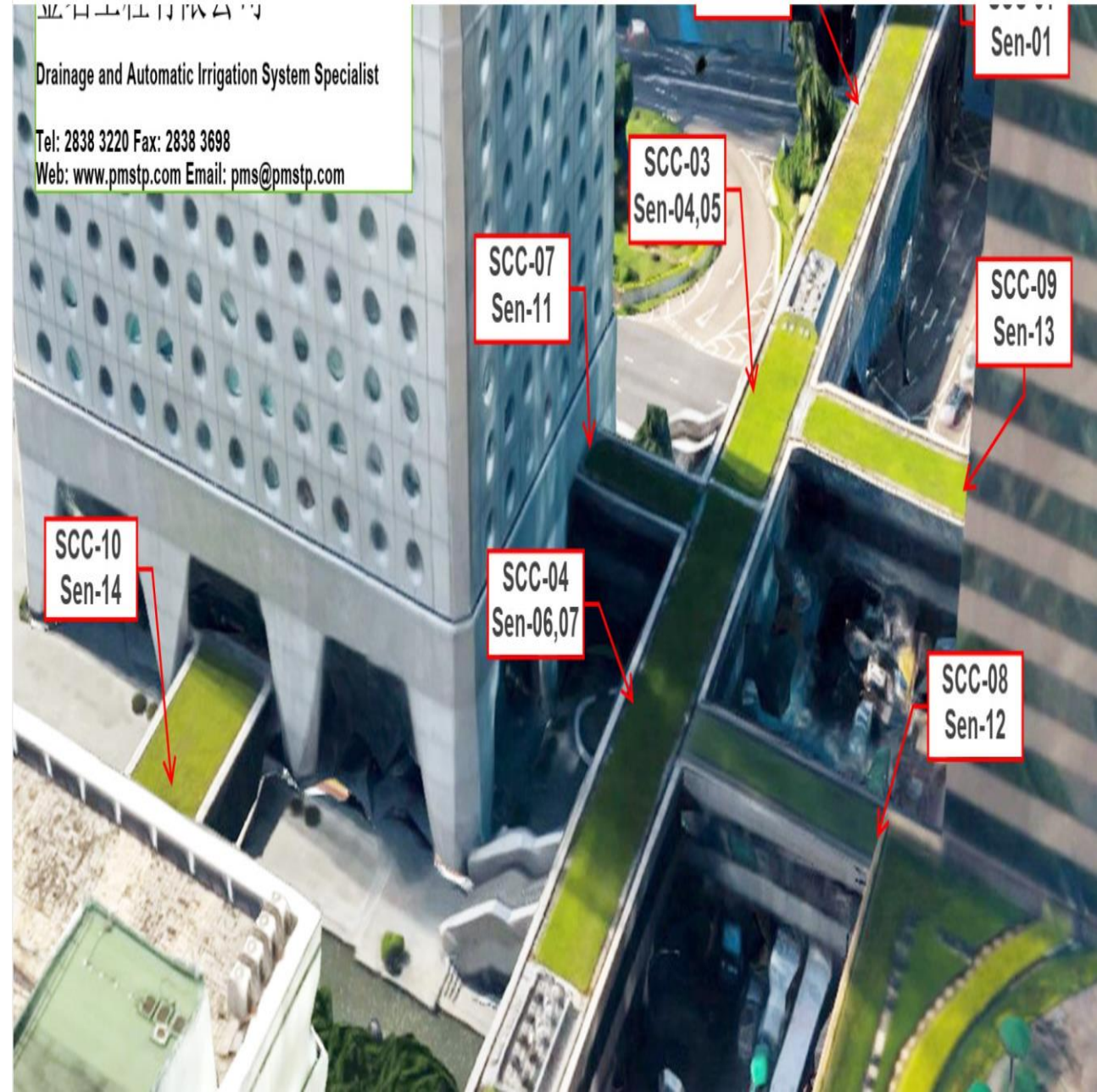
香港置地：物业投资、管理和开发集团，其商业和住宅物业资产遍布亚洲

Since 2017 using dozens of SCCs (old generation devices) to monitor ground moisture around building campus public areas

香港置地自2017年以来，就使用数十台Sol Chip上一代设备监测大楼公共区域周围的地面湿度

Maintenance free – no need to replace batteries
免维护 - 无需更换电池

Robust communication 稳固的通信





Thank you 谢谢

teddy@sol-chip.com

sol-chip.com

