# HEALTHY ENVIRONMENT AND GREENBUILD STANDARDS FORUM

## 健康绿色建筑标准峰会

2019年11月22日 | 成都 NOVEMBER 22,2019 | Chengdu

## 健康人民万里行

**WELL JOURNEY** 



主办单位:国际 WELL 建筑研究院、美国贸易发展署、美国国家标准化机构 美国驻华使馆商务处、成都市楼宇经济促进会

Organized by: International WELL Building Institute (IWBI), U.S. Trade and Development Agency (USTDA), American National Standards Institute (ANSI), U.S. Commercial Service (USFCS), Chengdu Association of Building Economy Promotion

支持单位:戴森贸易(上海)有限公司

Sponsored by: Dyson Technology(shanghai) Limited













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# Agenda 会议议程

### Healthy Environment and Greenbuild Standard Forum

#### **WELL JOURNEY**

#### Agenda

November 22, 2019 / Chengdu

Location: Grand Ballroom III, 5F, Chengdu Marriott Hotel Financial Centre

Address: No 999 TianFu Avenue North, High-Tech Zone Chengdu, Sichuan

**Organized by:** International WELL Building Institute (IWBI)

U.S. Trade and Development Agency (USTDA)

American National Standards Institute (ANSI)

U.S. Commercial Service (USFCS)

Chengdu Association of Building Economy Promotion (CABEP)

Sponsored by: Dyson

13:30-14:00	Registration	
14:00-14:05	Opening Remark	Francis Peters Commercial Consul of the US Consulate General in Chengdu
14:05-14:10	Opening Remark	Steven Winkates Director of Program Management, East Asia, US Trade and Development Agency
14:10-14:20	Welcome Remark	Zhang Ping Secretary General of CABEP
14:20-14:30	Welcome Remark & WELL Building Standard	Song Yi Vice president of IWBI Asia
14:30-14:45	Healthy living and healthy China	Yao Hongyan Director, Chinese Center for Disease Control and Prevention
14:45-15:00	Standard and Practice of Health Building in China	Meng Chong Director of CSUS-GBRC

15:00-15:15		Zhang Wei Manager of the west China, COOC
15:15-15:20	Chengdu TFC WELL registration signing ceremony The first registered WELL C&S office building in Chengdu	
15:20-15:25	MOU signing ceremony of CSCEC & CABEP	
15:25-15:40	Science and Technology Promote Human Welfare	Simon She Managing director, Greater China, Dyson
15:40-15:55	Kelly Moore Zero VOC support the Heathy Building	He Wantao Kelly Moore Print China Agent
15:55-16:10	Lighting Control's Contribution to Create A Sustainable & Healthy Building Environment	Gary Chen Direct of China Market, Lutron
16:10-16:25	Consulting for Healthy Building	Zhao Yunyang Mater, LEED AP, WELL AP, EMSI
16:25-17:00	Roundtable Discussion	<ul> <li>Feng Dan, Vice General Manager of Chengdu MIXC, The west China, CR-Land</li> <li>Yao Cheng, Shimao Group</li> <li>Zhou Li, The founder of Dao Pureland</li> <li>Zhou Xu, President of Building Economy Tianfu School (Moderator)</li> <li>Li Zhiwei, General Assistant of Sichuan development Land / Design Director of Chuanfa Land</li> </ul>

## 健康绿色建筑标准峰会暨健康人居万里行 会议日程

2019年11月22日 / 成都

地点: 成都首座万豪酒店,5楼,成都厅 III

地址: 成都武侯区高新区府大道北段 999 号

主办方: 国际 WELL 建筑研究院

美国贸易发展署

美国国家标准化机构

美国驻华使馆商务处

成都市楼宇经济促进会

支持单位: 戴森贸易(中国)有限公司

13:30-14:00	嘉宾签到	
14:00-14:05	致辞	<b>范思杰</b> 美国驻成都总领事馆商务领事
14:05-14:10	致辞	<b>温凯时</b> 美国贸易发展署东亚区项目管理主任
14:10-14:20	致辞	<b>张萍</b> 成都楼促会秘书长
14:20-14:30	致辞及 WELL 标准现状介绍	宋怡 IWIB 亚洲区副总裁
14:30-14:45	健康人居,助力健康中国	<b>么鸿雁</b> 中国疾控中心主任
14:45-15:00	我国健康建筑的标准与实践	<b>孟冲</b> 中国城科会绿建中心主任
15:00-15:15		<b>张炜</b> 中海商业西区总经理

15:15-15:20	天府汇 WELL 项目注册签约 成都首个 WELL CS 办公注册项目	
15:20-15:25	中建科技与成都楼宇经济战略合作签约仪式	
15:25-15:40	科技提升人类福祉	<b>佘克飙</b> 戴森商业大中华区董事总经理
15:40-15:55	Kelly Moore 零 VOC 鼎立健 康建筑	<b>何宛桃</b> Kelly Moore Print 中国代理 成都杰盛堂建材有限责任公司
15:55-16:10	照明控制在可持续及健康建 筑环境中的实践	<b>陈刚</b> 路川金中国市场总监
16:10-16:25	健康建筑所需要的咨询服务	赵韵扬 EMSI 公司
16:25-17:00	圆桌讨论	<ul> <li>◆ 华润置地商业华西大区成都万象城副总经理 冯丹</li> <li>◆ 世茂商业与主题娱乐西部公司总经办 项目总经理 姚晨</li> <li>◆ 陆道原乡创始人/总裁 周莉</li> <li>◆ 楼宇经济天府学院院长 周旭(圆桌主持人)</li> <li>◆ 四川发展土地公司总助、川发置地设计总监 李志伟</li> </ul>

# Hosts and Supporting Agencies Overview 主办单位介绍



#### U. S. Trade and Development Agency (USTDA)

The U.S. Trade and Development Agency (USTDA) has the mutually beneficial mission of linking U.S. businesses to export opportunities by funding project preparation and partnership building activities which develop sustainable infrastructure and foster economic growth in partner countries.

USTDA promotes economic growth in emerging economies by facilitating the participation of U.S. businesses in the planning and execution of priority development projects in host countries. The Agency's objectives are to help build the infrastructure for trade, match U.S. technological expertise with host country development needs, and help create lasting business partnerships between the United States and emerging economies.

#### **USTDA's Program Activities**

#### Project Development

Project identification and investment analysis generally involves technical assistance, feasibility studies and pilot projects which support large investments in infrastructure contributing to host country development. USTDA's program in China includes the transportation, energy, agriculture, and healthcare sectors.

#### Trade Capacity Building and Sector Development

Trade capacity building and sector development assistance supports the establishment of industry standards, rules and regulations, market liberalization and other policy reform. In China, USTDA has supported activities to enhance the protection of intellectual property rights, fair and transparent government procurement practices, science-based agricultural biotechnology regulations, and standards across a range of sectors.

#### Cooperation Programs

USTDA's success in China is due in large part to the public-private cooperation programs that the Agency supports in country. These programs provide a forum for government agencies and private companies from both countries to share technical, policy, and commercial knowledge to advance shared goals. USTDA has successfully established programs based on this model in the aviation, energy, healthcare, and agriculture and food sectors.

By adapting to the evolving needs of China's market and closely coordinating with decision-makers in both countries, these public-private partnerships have achieved long-term success, providing continued trade opportunities.

#### Reverse Trade Missions

Through the Agency's reverse trade missions (RTMs), USTDA has increased its support for programs designed to bring procurement officials to the United States to witness U.S. technologies, equipment, and ingenuity firsthand. These visits also facilitate new partnerships with U.S. companies needed to spur commercial cooperation. Related, USTDA also supports technology demonstrations, training, and specialized sector-specific workshops and conferences.



#### 美国贸易发展署 (USTDA)

美国贸易发展署(USTDA) 致力于在新兴经济体推动经济发展和美国的商业利益。美国贸易发展署通过对项目前期,试点项目以及反向代表团赴美考察等形式的资金资助,达到在合作伙伴国家推动可持续性基础设施和经济增长的同时帮助美国企业寻找出口机会。

美国贸易发展署鼓励美国公司积极参与新兴经济体项目所在国重点发展领域里的项目规划 和实施过程中的机会。目的是帮助美国有技术优势的公司配合项目所在国的发展寻求契 机,并建立长期持久合作关系。

#### 美国贸易发展署的项目活动

#### 项目开发

美国贸易发展署支持的项目确认和投资分析通常为了支持项目所在国大型基础设施项目投资决策前以所需要的技术援助,可行性研究分析和试点项目等。在中国的项目集中在交通,能源和医疗卫生领域。

#### 能力建设和行业发展

能力建设和行业发展是为了帮助推动建立行业标准,法规等相关政策需求的活动。在中国,美国贸易发展署支持过的项目内容涉及知识产权,公平透明政府采购,以科学为基础的农业生物技术规范,以及涉及其他更宽泛领域涉及行业标准的内容。

#### 国际商业伙伴关系项目

通过国际商业伙伴关系项目,美国贸易发展署加大资金投入力度,组织更多灵活多样的赴 美考察团,技术交流/研讨会和培训等,选择特定的一些行业,帮助中方人员了解美国技 术,掌握第一手资料,加深对美国企业的了解并能推动潜在的商务合作。

#### 政府企业合作平台

美国贸易发展署在中国取得成功的部分原因是与其他相关机构共同支持了政府企业合作项目的平台。在这个平台上,美国和中国的政府机构和私营企业均可以共享在特定领域的技术、政策和商业知识。美国贸易发展署已经成功地在航空、标准合格评定、能源和医疗保健等行业推动了该模式。

通过适应中国市场变化的需求,和中国决策者的密切配合,这些公私伙伴关系企业积累了一些长期合作的成功经验,提供持续的贸易机会,并推动中国支柱产业的发展。





# U.S.-China Standards and Conformity Assessment Cooperation Program

Sponsored by the U.S. Trade Development Agency (USTDA) and coordinated by the American National Standards Institute (ANSI), the U.S.-China Standards and Conformity Assessment Cooperation Program (SCCP) provides a forum through which U.S. and Chinese industry and government representatives can:

- Cooperate on issues relating to standards, conformity assessment, and technical regulations;
- Foster the relationships necessary to facilitate U.S.-China technical exchange on standards, conformity assessment, and technical regulations; and
- Exchange up-to-date information on the latest issues and developments relating to standards, conformity assessment, and technical regulations.

In 2018, ANSI will coordinate 20 workshops over a 3-year period in China under Phase V of the SCCP. The workshops will cover a wide range of sectors, as proposed by interested U.S. private-sector organizations. Workshop topics will be chosen in coordination with relevant industry associations, ANSI, and USTDA.

To learn more about the U.S.-China SCCP or to express interest in sponsoring or participating in a workshop, please visit our website at:

www.standardsportal.org/us-chinasccp

#### FOR MORE INFORMATION

Mr. Henry Yuan

Program Manager

American National Standards Institute (ANSI)

matitute (ANOI)

1899 L St. NW – Eleventh Floor Washington, DC 20036

T: 202.331.3624 F: 202.293.9287

E: us-chinasccp@ansi.org





# 中美标准与合格评定合作项目

由美国贸易发展署 (USTDA) 提供资助、美国国家标准化机构 (ANSI) 负责协调的中美标准与合格评定合作项目(SCCP) 在以下几个方面 为中国和美国的相关行业和政府代表提供了一个论 伝:

- 标准、合格评定以及技术法规等领域的合作;
- 为促进中美在标准、合格评定以及技术法规等领域的技术 交流建立必要的联系;
- 及时交流关于标准、合格评定以及技术法规等领域的最新 议题和发展情况的相关信息

未来三年,ANSI 将在中国协调举办 20 场研讨会。根据美国民间业界相关机构组织的建议,研讨会内容将覆盖不同的行业和领域。研讨会的主题将由相关行业组织、 ANSI 以及 USTDA 协调选定。欲了解该项目的更多情况或有意赞助或参与该项目,请访问下列网站:

www.standardsportal.org/us chinascop

欲了解其他信息,请联系

Mr. Henry Yuan

项目经 理

美国国家标准化机构 (ANSI)

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Washington, DC 20036

T: 202.331.3624



#### **American National Standards Institute (ANSI)**

As the voice of the U.S. standards and conformity assessment system, the American National Standards Institute (ANSI) empowers its members and constituents to strengthen the U.S. marketplace position in the global economy while helping to assure the safety and health of consumers and the protection of the environment.

The Institute oversees the creation, promulgation and use of thousands of norms and guidelines that directly impact businesses in nearly every sector: from acoustical devices to construction equipment, from dairy and livestock production to energy distribution, and many more. ANSI is also actively engaged in accrediting programs that assess conformance to standards – including globally-recognized cross-sector programs such as the ISO 9000 (quality) and ISO 14000 (environmental) management systems.

ANSI has served in its capacity as administrator and coordinator of the United States private sector voluntary standardization system for the past hundred years. Founded in 1918 by five engineering societies and three government agencies, the Institute remains a private, nonprofit membership organization supported by a diverse constituency of private and public sector organizations.

Throughout its history, ANSI has maintained as its primary goal the enhancement of global competitiveness of U.S. business and the American quality of life by promoting and facilitating voluntary consensus standards and conformity assessment systems and promoting their integrity. The Institute represents the interests of more than 270,000 companies and organizations and 30 million professionals worldwide through its office in New York City, and its headquarters in Washington, D.C.



#### 美国国家标准协化机构(ANSI)

作为美国标准和合格评定体系的发言人,美国国家标准化机构授权其会员强化美国市场在全球经济中的地位,同时协助保障消费者的安全和健康以及环境保护事宜。

机构对数以千计的标准和指导方针的制定、颁布、实施进行监督,而这些标准和指导方针几乎直接影响商业的每个领域:从声呐设备到建筑设备,从乳制品及家禽产品到能源分配等等。 美国国家标准化机构也积极参与评估合格到标准的委托项目——包括诸如 ISO9000 (质量)和 ISO14000 (环境的)管理系统等全球认可的跨领域项目。

在过去的一个世纪中,美国国家标准化机构担任美国私营部门自愿性标准化体系的管理者及协调者。自 1918 年由五家工程师协会和三个政府部门成立以来,本机构一直是一个民间、非营利性质的会员制组织,得到来自私营和公共部门的多元化支持。

纵观历史,美国国家标准化机构的首要目标一直是强化美国商业的全球竞争力,通过推进自愿性标准及合格评定体系并对它们进行完善从而提高美国人民的生活质量。机构总部设在华盛顿特区,并在纽约设有办公地点,代表全球超过 27 万家公司及组织和三千万专家的利益。



The International WELL Building Institute™ (IWBI™) is leading the global movement to transform our buildings and communities in ways that help people thrive.

IWBI delivers the cutting-edge WELL Building Standard<sup>™</sup>, the leading global rating system and the first to be focused exclusively on the ways that buildings, and everything in them, can improve our comfort, drive better choices, and generally enhance, not compromise, our health and wellness.

The WELL v2<sup>™</sup> pilot is a recently launched version of its popular WELL Building Standard, and the WELL Community Standard<sup>™</sup> pilot is a district scale rating system that sets a new global benchmark for healthy communities.

IWBI mobilizes the global wellness community through management of the WELL AP™ credential, convenes a global network of organizations through IWBI membership, pursues applicable research, develops educational resources, and advocates for policies that promote health and wellness everywhere.

Featured on Fast Company's World's Most Innovative Companies list - 2019.

国际 WELL 建筑研究院™(IWBI™)正在全球引导推动一场通过变革建筑及社区来促进人们身心健康的运动。

IWBI 制定并推广以科学研究及先进的建筑行业实践为基础的 WELL 健康建筑标准™。这是全球首部专门针对建筑、以及建筑空间内的一切措施如何提升我们的舒适性、推动我们做更健康的选择、整体上促进(而非影响)健康为目标而制定的建筑认证标准。

WELL v2™ 试行版是近期发布的备受瞩目的 WELL 健康建筑标准™的升级版标准,连同 WELL 健康社区标准™试行版一起,为全球健康社区提供了杰出的评估与衡量工具。

IWBI 同时也管理 WELL 专业人士(WELL AP)的资格认证、IWBI 会员机制、推动健康建筑相关的应用研究、传播教育资源并倡导有助于提升健康与福祉的政策,依此凝聚、带动全球WELL 人群以及广泛的健康房地产业人士。

IWBI 入选 "快公司" 杂志 2019 年评选的 "全球最具创新力企业排行榜"。

## WELL

Launched in October 2014 after six years of research and development, the WELL Building Standard is the premier standard for buildings, interior spaces and communities seeking to implement, validate and measure features that support and advance human health and wellness.

WELL was developed by integrating scientific and medical research and literature on environmental health, behavioral factors, health outcomes and demographic risk factors that affect health with leading practices in building design, construction and management.

The WELL Building Standard underwent a comprehensive expert peer review process, which included three phases - scientific, practitioner and medical review.

WELL Certification and the WELL AP credentialing program are third-party administered through IWBI's collaboration with Green Business Certification Inc. (GBCI).

经过六年的研发,WELL 健康建筑标准于 2014 年 10 月推出,为建筑、室内空间和社区提供一套重要的健康标准,通过实施、验证和检测各种健康建筑条款,支持和提升人们的健康与福祉。

WELL 是将有关环境健康、行为因素、健康结果和影响人体健康的人口风险因素的科学与医学研究以及相关文献,与领先的建筑设计和管理实践相结合而开发出来的。WELL 也参考了由政府和专业机构设立的既有标准和最佳实践指南。

WELL 建筑标准通过了全面的专家同行评审过程,这个过程包括三个阶段:科学评审、行业评审和医学评审。

WELL 认证和 WELL AP 证书项目由与 IWBI 合作的第三方绿色事业认证公司(Green Business Certification Inc., 简称 GBCI)管理。

#### Project Brief

Six elegant towers form TFC, with a total construction area of 520,000 square meters. Incorporating luxury residential buildings, internationally renowned five-star hotel, Grade-A office buildings and a premium shopping mall, TFC forms a contemporary, fashion-forward development designed to meet the lifestyle and work standards of a new generation, and becoming the city's newest destination.

#### Architect

Internationally renowned architecture firm KPF is the creative force behind TFC. Inspired by the design of ancient Chinese lacquerware, the TFC community contemporary in style and quality with a classic flavour

#### Location

TFC is well situated in the prime Wuhou district; perched on the city's central boulevard, the People's Road South, and straddling the Jinjiang River, it is the confluence of both an ancient city's storied charm and the benefits of a modern metropolis.

#### About Us

Since its founding in 1995, USI Group has expanded across China, Hong Kong and beyond. The Group's activities cover a wide range of fields including, Real Estate Development, Property Investment, Infrastructure, Logistics, Food and Beverage, Finance and Memorial Parks.

USI Group's first investment in Southwest China was made in 2004, in an impressive 420,000 kW hydroelectric power plant. Since then the group has gone on to participate in investments in a number of premium development schemes, including the 2005 Union Sun Yangkuo Plaza, now home to USI Group companies.

2006 saw the acquisition of a prime site for redevelopment, Zongshu Village located nearby the South Railway Station in Chengdu. Followed in 2009 with the acquisition of a prime 60,000 square meter plot on the People's Road South, and has been created with an investment in excess of RMB 6 billion. Both sites are currently under construction with the later being the highly anticipated, TFC, a high-end mixed-use project. In addition to projects in Sichuan, the group is active across a range of industries in Guangdong, Shanghai, Hainan, Nanjing and Yinchuan.

USI group will continue to seek out and explore new business opportunities in the future, particularly those brought about by the Belt and Road initiative in South West China.

#### 项目简介

天府汇由 6 座弧形塔楼环抱之状形成,塔楼 端坐于商业裙楼之上。项目占地约 60 亩,总建筑面积共约 52 万平方米,包括高端住 宅、国际知名五星级酒店、甲级写字楼 和国际高端购物中心。天府汇项目旨在打 造"潮流时尚综合体",以满足人们居住、社交、办公、购物、休闲等品质生活的需求,成为新的目的地。

#### 建筑团队

由国际知名建筑师事务所 KPF 倾力打造。以古代漆器为设计灵感,天府汇项目群落的造型韵古典于现代,将格调与品质完美融合。

#### 项目区位

坐落于成都中轴线——人民南路,滨锦江而立,天府汇地处商务及生活气息浓厚的老城区——武侯区,生活资源便利丰富。

#### 开发商简介

汇日集团成立于 1995 年,是一家多元化企业。其业务范围覆盖香港及中国大陆等地,经营范围则包括:房地产开发、物业投资、基建、物流、餐饮、金融、墓园康养等。

自 2004 年以来, 汇日集团开始扎根四川, 曾参与总装机容量 420,000 千瓦水电站投资开发、土地一级开发等。2005 年参与汇日央扩国际广场的开发投资; 2006 年竞得武侯区火车南站 棕树村八组地块, 用以开发高端住宅项目; 2009 年, 通过公开拍卖竞得武侯区人民南路三段 3 号约 60,000 平方米地块, 现正在有关宗地开发大型高端城市综合体天府汇项目, 总投资超过人民币 60 亿元, 是集团在成都市的另一重点项目。

除四川以外,集团深耕中国,在广东、上海、海南岛、南京及银川等地参与不同产业发展。 未来,汇日集团除将会继续强化其核心业务之外,亦会对 "一带一路"带来的商机进行探 索,利用中国西南部在 "一带一路"的重要战略地位,努力寻找其他投资机会。

# dyson

Dyson is a global technology company with engineering and testing operations in Malaysia, Singapore, the Philippines and the UK. Dyson employs over 12,000 people globally including 5,853 engineers and scientists – with an increasing proportion in South East Asia where production and operations also take place.

Dyson is realising ambitious plans to develop new technologies with global teams focused solid state battery cells, high-speed electric motors, vision systems, machine learning technologies, and AI.

Dyson launched in China in November 2012 with James Dyson attending a press conference in Shanghai. The categories cover cordless vacuum, purifying fan, hair dryer, robotic vacuum, hand dryer etc. They help enhance the efficiency and experience of home cleaning and personal care of Chinese consumers and Dyson commercial clients.

戴森是一家全球科技公司,由创始人、发明家及总工程师詹姆斯•戴森(James Dyson)领导的家族企业。詹姆斯•戴森致力于利用科学技术,用以解决他人忽视的问题。目前在马来西亚、新加坡、菲律宾和英国皆设有研发和测试中心。全球超过一万两千名员工,包括 5853 名工程师和科学家。戴森全球各地的研发团队致力于持续研发固态电池,高速数码马达,视觉系统,机器学习技术及人工智能方面的创新技术。

公司致力于将戴森科技带入商业场所和个人空间,提升空间舒适度和个人福祉体验, 主要涉产品商业干手器,吊灯及家居清洁及个人护理产品。

## Speaker Biographies 演讲人介绍

#### **Steven Winkates**

Director of Program Management, East Asia Region U.S. Trade and Development Agency (USTDA)

Steven Winkates is the Director of Program Management for the East Asia Region at USTDA, based at the U.S. Embassy in Beijing, China. He is responsible for managing USTDA's activities in China and Mongolia, directing business development efforts, coordinating with relevant stakeholders in both the region and the United States, and marketing USTDA services to potential partners in both countries.

Prior to this position, Mr. Winkates worked in Beijing for a consulting firm which specializes in developing transportation infrastructure projects. He also previously served as a Country Manager at USTDA, covering China and Southeast Asia during his tenure, and as a Policy Analyst at the U.S. Department of Commerce.

Mr. Winkates holds a Master of Public Policy from Georgetown University and a Bachelor of Arts from Rhodes College.

#### 温凯时

美国贸易发展署东亚区项目主任

Steven Winkates 是美国贸易发展署东亚地区项目管理主任,常设办公地在美国驻中国大使馆。他负责管理美国贸易发展署在中国和蒙古区域的项目,包括指导业务发展工作、协调该地区和美国利益相关方的关系、并向两国的潜在合作伙伴推广美国贸易发展署的活动及相关服务。

在此之前,Winkates 先生曾任职于一家专门从事交通基础设施项目开发的咨询公司。他曾担任美国贸易发展署中国和东南亚地区发展负责人和美国商务部政策分析师等相关职位。 Winkates 先生先后获得罗德学院的文学学士学位和乔治城大学的公共政策硕士学位。

#### **ZHANG Ping**

The member of Global Chinese Real Estate Congress International Business Engineer

Deputy secretary-general of the National Shopping Center Manager's Club

Secretary General of the National (Southwestern China) Shopping Center Manager's Club

Executive director of the Chengdu New Social

Member of the Executive Committee of Chengdu Women's Federation

Secretary General of Chengdu Association of Building Economy Promotion Association

Chengdu Municipal Building Economy Expert

#### 张萍

世界华人不动产学会理事 国际商务师 全国购物中心经理人俱乐部副秘书长 全国购物中心经理人俱乐部(西南)秘书长 成都市新阶联常务理事 成都市妇联执委 成都市楼宇经济促进会秘书长 成都市楼宇经济专家





#### **SONG Yi**

Vice President, IWBA Asia

Yi Song is a Vice President of Business Development at IWBI ASIA. International WELL Building Institute™ (IWBI) is a public benefit corporation with a mission to improve human health and well-being



through the built environment. IWBI administers the WELL Building Standard® (WELL), the world's first building standard focused exclusively on human health and wellness. The WELL building certification program is an evidence-based system for measuring, certifying, and monitoring the performance of building features and other aspects of the built environments that impact the health and well-being of the people in the spaces we create.

Yi Song joined IWBI in 2017 with broad experience in sustainability development, education, and business development. Previously, he worked at EMSI starting in 2006 where he was in charge of the analysis of energy use and energy saving of building systems, such as the thermal and economic performance analysis of building envelope, HVAC system and the indoor air quality. He was also involved with LEED certification with M&V、IPMVP. He has more than 11 years of experience in building science and technologies, specializing in areas of commissioning of energy use system in buildings, energy audits for building efficiency improvement, building energy simulation, green building design support and consultancy, and innovative techniques in green building design.

Yi Song served as a green building consultant to many prestigious projects in China. His engineer experience covers both new and existing facilities. His project experience ranges from high-end office towers, corporate headquarters to industrial campuses, including GE Campus, OTIS TJ office+factory, China Development Bank, Financial Street E10, etc. Yi Song also has rich experience in energy simulation modelling.

Besides his technical skills, Yi Song has established a solid foundation in business development, business management, and building strategic partnerships. Some of his former key clients include SOHO China (more than 8 projects in china) Financial Street Holding (over 10 projects), Vantone Real Estate (over 10 projects), Taikang Life Insurance (Taikang Community-LEED-Health Care), Wanda Group, China Fortune Land Development, ANBANG Insurance, Excellence Group (over 8 projects), China Resources Land and so on. He not only helps EMSI hit annual financial booking target with fast increasing each year. He is an active member of the China's sustainability and commercial communities including MOHURD, AMCHAM China and US Embassy Commercial Office in china.

Yi Song has a graduate degree in engineering from Loughborough University with a focus on natural ventilation application. He earned a Bachelor degree from Construction Environment & Equipment Engineering Department at Beijing Industry University in 2003, and a Research Diploma focusing on Building Services & Engineering.

#### 宋怡

IWBI 亚洲区副总裁

宋怡先生在国际 WELL 建筑研究院™(IWBI™)出任亚洲区业务发展部副总裁。IWBI 是一家公益企业,正在全球推动这场在建筑与社 区中提升人们健康与福祉的运动。IWBI 提供国际地位领先的 WELL 建筑标准™(WELL)。WELL 是全球第一个专注于人类健康与福祉的建筑标准。WELL 建筑认证是一套基于建筑的实际表现而对建筑的健康属性进行衡量、检验及监控的建筑认证体系,以此来评估室内环境对人体健康与福祉的影响。

他于 2006 年加入美国联合技术公司旗下的 EMSI 环境管理咨询有限公司,负责全国项目的建筑物理模拟、项目管理、市场推广等工作,在中国参与或完成了上百个绿色、健康建筑的项目,如国家开发银行、北京第一高楼中国尊、北京第一个中国绿标项目融华世家、泰康之家燕园和粤园、卓越深圳前海 1 号、可口可乐研发中心、上海西门子心、陶氏化学、卡特皮勒天津工厂等项目。另外,他也参与主导了一些项目的节能改造、建筑调试,如北京万通中心 D 座改造并获得朝阳政府节能补贴、SOHO 望京整体调试等。宋怡还是美国绿色建筑委员会的授课讲师和 CEM 工程师。加入国际 WELL 健康建筑研究院之前,他作为 EMSI 华北区总经理,负责公司的运营和管理。

宋怡毕业于英国拉夫堡大学建筑服务工程专业,主要研究方向为自然通风,建筑物理及建筑 节能等方面。

#### YAO Hongyan

Director, Chinese Center for Disease Control and Prevention

President of standardization and Evaluation Branch of China Health Management Association

Former Medical Officer of the Western Pacific Headquarters of WHO

Since 1989 I have been engaging in the work of epidemiological study, application and teaching, with rich experience and strong ability in technical guidance. The main research area is the application of the epidemiological methods in the disease prevention and control. And the main research areas contain infectious diseases epidemiology, injury epidemiology and policy evaluation of disease control and prevention.

#### 么鸿雁

中国疾病预防控制中心流行病学办公室(爱国卫生工作技术指导处)主任 中国健康管理协会标准化与评价分会会长 曾任世界卫生组织西太区总部医学官员

多年来一直从事流行病学研究、应用及教学工作,主要研究领域为流行病学方法在疾病预防 控制实践中的应用,主要方向包括人群健康测量与评价、结核病预防与控制、农业作业人群 健康和疾病预防控制政策评价等。

#### Simon She

Greater China Managing director of Dyson professional,

Simon She, Greater China Managing director of Dyson professional, is responsible for professional business and aim to develop the business based on company's target.

Dyson is a global technology company with engineering and testing operations in Malaysia, Singapore, the Philippines and the UK. Dyson employs over 12,000 people globally including 5,853 engineers and scientists – with an increasing proportion in South East Asia where production and operations also take place.

Dyson is realizing ambitious plans to develop new technologies with global teams focused solid-state battery cells, high-speed electric motors, vision systems, machine learning technologies, and Al. The growing team composed by engineers and scientists are the core pioneers that drive Dyson forward. Dyson has a wide product range from vacuum cleaner, hand dryer, pure hot+cool, hair dryer and lighting products. Revolutionary technology is the key to the development of Dyson globally.

Simon has a keen insight of the industry trends. Plan to bring Dyson technology to more professional customers, especially to promote fast and hygienic Dyson AirbladeTM hand drying technology in WELL projects. Under his leadership, greater China professional team is developing steadily and anticipating more achievements in the broader fields.

#### 佘克飚

戴森专业部大中华区董事总经理

佘克飚先生, 戴森专业部大中华区董事总经理,负责戴森产品在商业应用领域的推广和发展。 其任职的戴森公司是一家致力于科技创新的公司,其对于科技进步总是孜孜不倦地追求着, 目前在新加坡、菲律宾和英国皆设有研发和测试中心。全球超过一万两千名员工,包括 5853 名工程师和科学家。戴森全球各地的研发团队致力于持续研发固态电池,高速数码马达,视 觉系统,机器学习技术及人工智能方面的创新技术。日益壮大的工程师与科学家团队是助推 戴森前进的核心动力,其旗下拥有真空吸尘器、干手器、空气净化风扇、吹风机和照明灯具 等多种高科技产品,颠覆性的前沿技术是戴森在全球市场发展壮大的关键因素。

佘克飚先生拥有良好的科技发展前瞻性和敏锐的行业洞察力。致力于将英国戴森科技带给更多的商业客户,并将快速、卫生的 Dyson AirbladeTM 干手科技推广到健康建筑中,致力更好地解决手卫生的问题。大中华区的戴森商业团队在其带领下也正稳步发展,期待拓展到更宽的领域再创佳绩。

#### **Greg Chen**

Lutron Electronics, China Commercial

Greg Chen, in his role of Sales Director of Lutron Electronics Shanghai, is responsible for business development, client relationships, project execution and overall leadership of Lutron's Commercial Business in China.



With his 15+ years of experience in the lighting industry, Greg has been working for various Sports Lighting projects, involved in Olympic Games, National Sports Games, and professional Games at all levels. Also, very experienced in building lighting control. Greg holds an MBA degree of change management by Norwegian Business School, his academic understanding of management and solid working experience made him a very successful professional manager.

#### 陈刚

销售总监,路川金域电子贸易(上海)有限公司

陈刚以路川金域电子贸易(上海)有限公司销售总监的身份,负责业务发展、客户关系、项目执行以及路通在中国商业业务的全面领导。

陈刚在照明行业有超过 15 年的经验,他一直在为各种体育照明项目工作,参与奥运会、全国运动会和各级专业运动会。在建筑照明控制方面也非常有经验。陈刚拥有挪威商学院的变革管理工商管理硕士学位,他对管理的学术理解和扎实的工作经验使他成为一名非常成功的职业经理。

#### **ZHAO Yunyang**

Senior Engineer, EMSI

As a senior engineer in EMSI, Ms. Zhao specializes in areas of building energy and daylighting analysis as well as IAQ analysis. She has accomplished over 20 LEED/CGBL/WELL projects and lots of energy simulation analysis and daylighting simulation analysis. Meanwhile, she takes part in building sustainable design, utilizing modeling to deliver



energy-efficient and sustainable building design. In addition, she oversees IAQ management services, including IAQ solutions and analysis as well as research on different IAQ standards.

#### 赵韵扬

高级技术工程师,EMSI

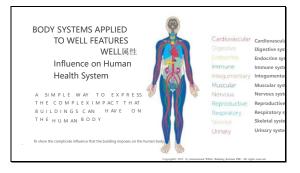
作为 EMSI 的高级技术工程师,赵韵扬女士擅长建筑能耗和采光分析,以及室内空气质量(IAQ)分析。她在绿色和健康建筑认证领域具有丰富的经验,目前已完成 20 余个 LEED/CGBL/WELL项目。同时,她参与建筑可持续设计,通过模拟分析提供节能和可持续设计方案。此外,她负责的 IAQ 服务,基于对不同 IAQ 标准的研究和项目经验,为客户提供 IAQ 分析和解决方案。

# Presentations 演讲材料

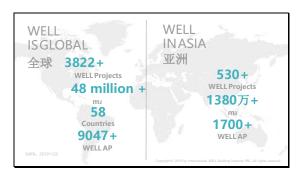






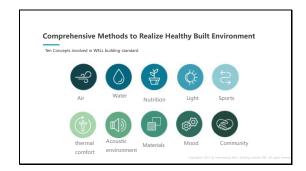








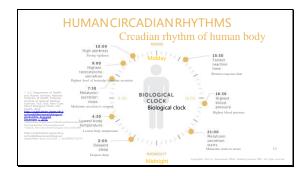


























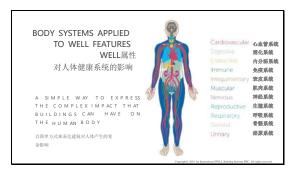
















































Make efforts to create healthy human settlement, promote Chinese People's health status and realize harmonious development of people, building and environment

> Yao Hongyan November 22, 2019



Health is a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity!



lealth is a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity.



The core of Healthy Chias helitables it to have the health integrated into all the prodicts and Health & Wilhess work policy of co-construction and sharing by people with people's health as the center, grasuroots as work, priority and reform and innovation as a driving force by taking the prevention first and putting emphasis on studiestical Chieses and western medicine. Targeting of health affecting forces such as living and behavioral characteristics, producing and living environments and medical and health services etc., we dould limite on considering the governmentdemissace with the mobilization of the intirities of the society and individuals to encourage everyone to participate, to make efforts and sharp, and we should take prevention in the first place, premote healthy first, privace disease incidence and advocate safry diagnosis, treatment and curing so as to realize public health.

# Give Priority to Health

It is necessary to assign strategic status to the development of health, and have the health ideas integrated into the entire process of formulation and implementation of public policy, accelerate the creation of a model that helps realize healthy life style, ecological environment and economic society development had realize positive and harmonious development of health and economic society.

Ve should take the construction of healthy city and healthy village and town as an importar driving force for the promotion of construction of Healthy China

It is necessary to meet land demand of health-related public facilities, perfect relevant system, layout and standards for public facilities, and have the health integrated into the entire process of town and country planning, construction and governance and governance the immunosion development of day and peoples health. Pevelopment plans for healthy disles, healthy villages and towns should be formulated and implemented based on the main health problems facing the local residents. Constructions of healthy community, healthy village and town, health unit and healthy family should be carried out in a wider range to promote social participation.

It is necessary to strengthen comprehensive improvement of urban and rural environmental health.

It is necessary to constantly promote the activities of cleaning and tidying urban and rural environments, perfect the urban and rural environmental health infrastructure and long-term mechanism, coordinate the governance of urban and rural environmental health bissues. It is necessary to intensify control over the human settlement in the rural area, strengthen the waste treatment in the rural area, implement projects for treatment of rural domestic sewage and vigorously promote dean energy. By 2030, we should turn the rural areas into a beautiful home where there are clean and tidy human settlements and all bluelp lacts where people can lead a better life and live out their life in retirement, and our aim is to realize harmonious development of man and nature.

On September 26, 2018, the Central Committee of the Communist Party of China and the State Council printed and distributed. "Rural Revitalization Plan (2018 to 2022)."



Ances to Sealard in the Frendry Jan Crisses Sealard Variety S

- Couplet of Sealard in Control and evidence of green agriculture

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agricultural environment

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the road area

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the road area

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the road area

ural area >Section 5 strengthen the capability of preventing and reducing atural disasters as well as helping the people tide over a natural lisaster in the rural area. Healthy Environment Promotion Action of "Action of Healthy China"

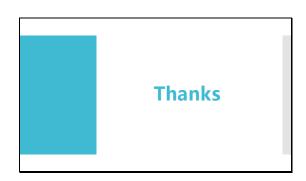
The actions are taken to tackle problems that affect people's health, such as air, water and soil and other natural environment problems, to control home environment risks such as indoor pollution etc., and eliminate social environment hazards such as road traffic injury etc., and health protections and suggestions for better response will be proposed, and the main measures that the government and the society should take will be suggested.

















健康中国战略核心是以人民健康为中心,坚持以基层为重 点,以改革创新为动力,预防为主,中西医并重,把健康 融入所有政策,人民共建共享的卫生与健康工作方针。针 对生活行为方式、生产生活环境以及医疗卫生服务等健康 影响因素,坚持政府主导与调动社会、个人的积极性相结 合,推动人人参与、人人尽力、人人享有,落实预防为主, 推行健康生活方式,减少疾病发生,强化早诊断、早治疗、 早康复,实现全民健康。

把健康摆在优先发展的战略地位,立足国情,将促进健康的 理念融入公共政策制定实施的全过程。加快形成有利于健康 的生活方式、生态环境和经济社会发展模式, 实现健康与经 济社会良性协调发展。

保障与健康相关的公共设施用地需求,完善相关公共设施体 系、布局和标准,把健康融入城乡规划、建设、治理的全过 程,促进城市与人民健康协调发展。针对当地居民主要健康 问题,编制实施健康城市、健康村镇发展规划。广泛开展健 康社区、健康村镇、健康单位、健康家庭等建设,提高社会 参与度。

持续推进城乡环境卫生整洁行动,完善城乡环境卫生基础设 施和长效机制,统筹治理城乡环境卫生问题。加大农村人居 环境治理力度,全面加强农村垃圾治理,实施农村生活污水 治理工程,大力推广清洁能源。到2030年,努力把我国农村 建设成为人居环境干净整洁、适合居民生活养老的美丽家园, 实现人与自然和谐发展。



- >>第十九章 推进农业绿色发展
- 第九篇 保障和改善农村民生
  - >>第二节 推进健康乡村建设
  - >>第三节 加强农村社会保障体系建设 >>第四节 提升农村养老服务能力
  - >>第五节 加强农村防灾减灾救灾能力建设

本行动主要针对影响健康的空气、水、土壤等自然环境问题, 室内污染等家居环境风险。道路交通伤害等社会环境危险因 素,分别给出健康防护和应对建议,并提出政府和社会应采 取的主要举措。

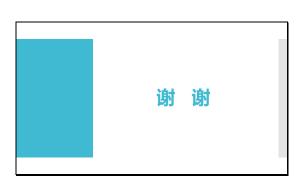






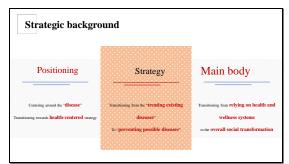


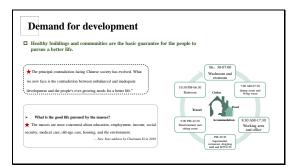








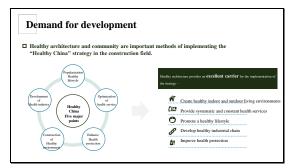






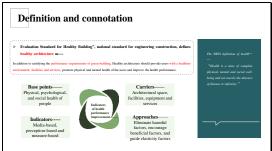


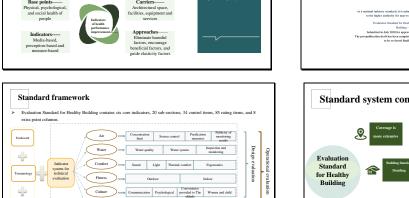






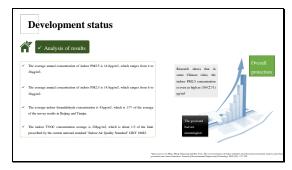






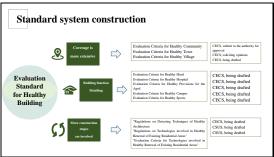


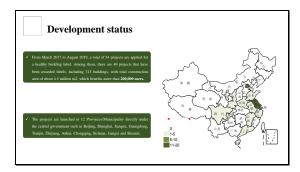
General provisions











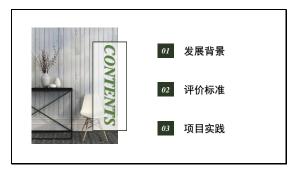






















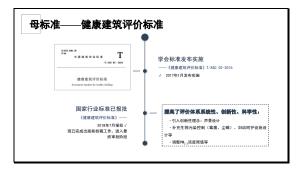


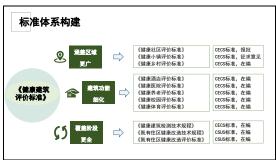






















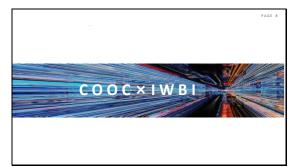
















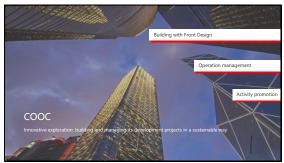












































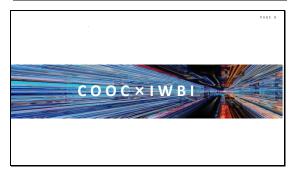
















































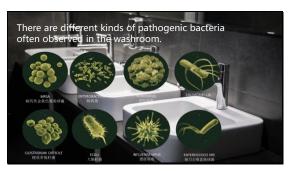


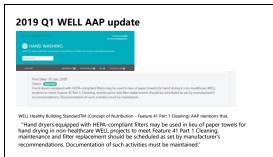






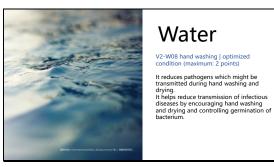






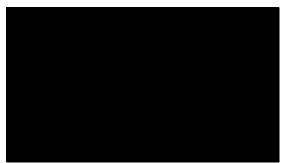


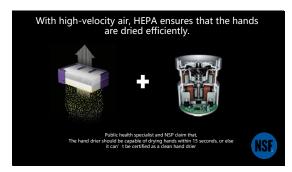




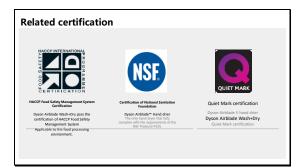










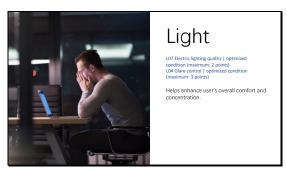








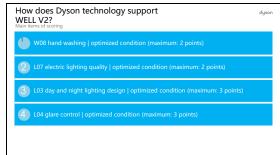






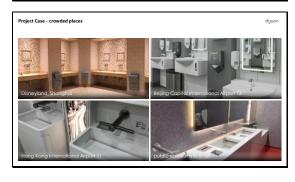


























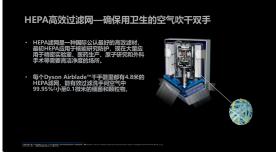






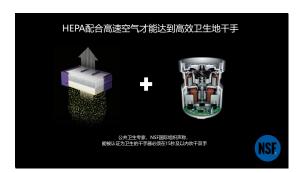




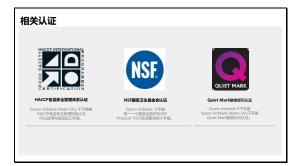


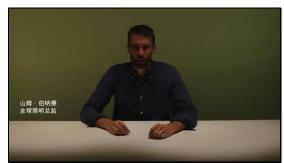


































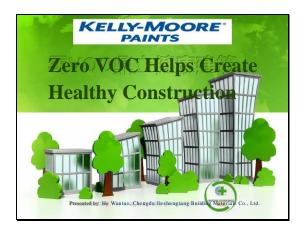


















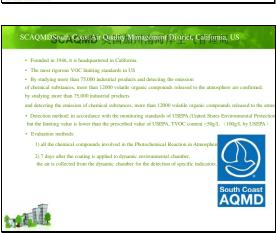




































# KELLY-MOORE产品符合

- Meet LEEDv4 Low emitting materials credit 符合LEEDv4低排放材料标准
- Certified for Indoor Advantage Gold 室内空气质量金牌认证
- Meet VOC limits for CARB 加州空气资源委员会VOC限量标准
- National AIM 美国国家强制标准
- · SCAQMD 美国国内最严格的地区性VOC限定法 规 (南海岸空气品质管理局的标准)
- Green Seal GS 11 非盈利环境标志组织"绿 标签"GS11标准











# THE REAL PROPERTY.

# SCAQMD 美国加州南海岸空气管理局

- 成立于1976年,总部位于加利福尼亚为美国最严格的VOC限定标准
- 通过对75000多种不同行业的产品进行化学物质排放检测研究,能够确认释放到空气中的12000多种挥发性有机化合物
- 检测方式: 参照美国环境保护署USEPA监测标准, 但限值低于USEPA规定, TVOC含量<50g/L(环境保护 署为100g/L) 评测方法:
- 1) 所有参与大气光化学反应的化合物
- 2) 在动态环境舱涂刷涂料7天后,取动态舱内空气,进行规定指标检测







# Self-Priming自成底線 LowOdor低气味 <2g/LVOC THE REAL PROPERTY.

# 室内空气质量金牌认证

SCS科学认证体系是全球领先的独立认证和验证体系及最早获得认可的国际认证机构,是全 球认可的标准制定的可信实体。

室内空气质量金牌认证符合以下标准:

- USGBC (美国绿色建筑委员会) LEED标准 EQ4.2(涂料和涂层)
- · 高能效学校协作联盟(CHPS)
- 加州01350特殊环境要求

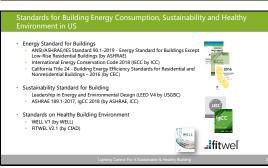


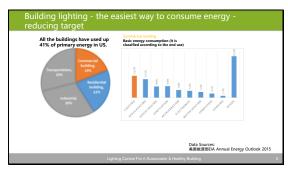


AcryPlexPVA	971	HighNide這畫性性 UniformSurfac要買一麼性好 MinimizesJointBandin:微觀效果性 ExcellentTameHholdout質謝效果更佳 <2g/LVOC	
AcryPlex Enamel Undercoater	973	HighHide <b>連差性</b> Resists TanninBiecd <b>抑制单宁析出</b> Easy ToSand <b>暴打</b> ExcellentEanameHoldout <b>国排放果更能</b> <2g/LVOC	
Kel-Bond Universal	295	100%Acrylic StainBlocking附語符 GreatOnNewandTreviouslyPaintedSurfaces新 El均可 PrimeMultipleSubstratesAtOneTime週周性像	
DTMAcrylic Primer/Finish	5725	WaterborneAcrylie水性丙烯酸 PrimerandFinishinOne施頂會一 FlashRustResistan耐勢效 CorrosionResistan耐病效	





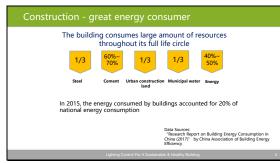












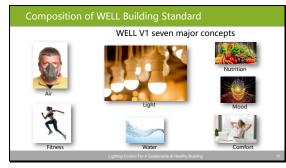




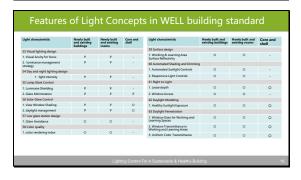








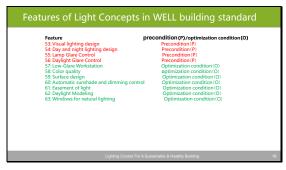


















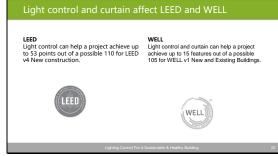
WELL

An evaluation system for building performance, which is used to assess the influence of built environment on human health and wellness.

WELL is focused on "Human Sustainability" –

Human

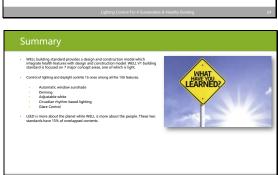


















































概念领域	特性	目的	要求	照明控制
空气	4. 减少VOC (先决条件)	最大限度减少建筑材料中的有 机化合物对室内空气质量的 影响	满足VOC排放 规定	GREENGUARD Gold窗帘幕布 材质
舒适	74. 室外噪音侵入 (先决条件)	通过限制室外噪音侵入,减少噪声干扰	来自室外噪音 侵入的平均声 压等级不得超 过50dBA	手动或自动窗帘
精神	88. 亲生命性 I - 可定性 (先 决条件) 97. 材料透明度 (优化条件)	孕育人与自然的先天联系	提供住户外界 视野以及自然 的印象	窗帘能够保留视 野

# 建筑环境中的可持续性: LEED与WELL LEED WELL

- ---能源与环境设计的先锋,是一个世 界上广泛采用的绿色建筑评价体系
- LEED关注"环境可持续性"-地球



- 一个考核建筑性能的评价体系,评估 建筑环境对人类健康与福祉的影响
- WELL关注"人类可持续性"-

人类



- WELL v2试点中
- 一个统一的WELL标准针对所有 项目类型
- 10个概念,而不是现有的7个
- 灵活的优化条件
- 基于分值,类似于LEED
- 更完善的先决条件

























