



# Introduction of Canada Wood China 加拿大木业简介



**Canada Wood**  
加拿大木业

木建可持续，筑立碳中和



## 关于我们

### About us

加拿大木业是一家代表加拿大林产工业的全球性非营利组织，并得到了加拿大自然资源部、加拿大不列颠哥伦比亚省林业厅和林产企业的大力支持。其总部位于加拿大温哥华，在中国、日本、韩国、印度、英国等国家设有代表处。

加拿大木业中国代表处设立于上海，并在北京、广州、武汉设有服务代表。作为行业推广机构，加拿大木业致力于传播合法木材精神、旨在向中国市场推广加拿大木材在建筑及制造领域的应用，促进中加木材贸易健康发展。

自2000年以来，加拿大木业持续在中国开展技术交流、项目咨询、培训辅导、宣传推广、商务考察、示范项目等各项工作，不断努力提升中国市场对加拿大木材产品及现代木结构技术的认知，并与中国市场共同成长。

Canada Wood is a global non-profit organization that represents Canada's forest industry with the support of Natural Resources Canada (NRCan), the Ministry of Forests, Lands, Natural Resource Operations and Rural Development of British Columbia as well as Canadian forestry and lumber companies. The headquarters of Canada Wood is based in Vancouver, Canada, with the representative offices in China, Japan, Korea, India, and the UK.

The Canada Wood China (CW China) office is based in Shanghai with a branch office in Beijing, and representatives in Guangzhou and Wuhan. CW China is committed to promoting forestry management practices, broadening the application of Canadian wood products in Chinese markets, and the development of Sino-Canadian timber trade.

Since 2000, CW China has worked to promote Canadian expertise with wood products and transfer modern wood construction technology into Chinese markets through various activities such as technical exchanges, project consultations, vocational training, promotional campaigns, business visits and building demonstration projects. Throughout its engagement in the lumber industry, CW China has witnessed tremendous growth and development for wood trade between the two countries.

# 大事件

## Milestones

### 2000

加拿大木业在中国上海成立代表处。

Canada Wood China was established in Shanghai, China.



### 2005

加拿大木业中国区总部梦加园及另两栋示范性纯木别墅建筑竣工, 标志着加拿大对中国市场长期的重视, 并在中国派驻加拿大市场开发团队。

The Dream Home Canada (DHC) and two villa projects were completed, which demonstrated Canada's long-term commitment to the China market and established a base for Canada's market development team in China.



### 2010

与天津泰达集团签署协议, 在天津市郊建造中国首栋四层全木结构建筑。

An agreement was signed with the Tianjin TEDA Group to build China's first four-storey pure wood construction, located in the Binhai New Area of Tianjin.

### 2008

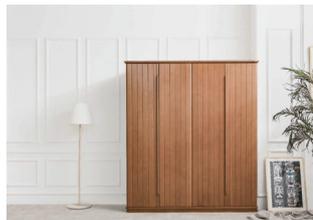
2008年汶川特大地震后, 加拿大联邦政府及不列颠哥伦比亚省政府共同捐助800万加元, 在四川省受灾最严重的地区援建了四个木结构重建项目。

With \$8 million CAD funding provided by the Federal Government of Canada and the Government of British Columbia, four major wood reconstruction projects were completed in the areas devastated by the 2008 earthquake in Sichuan Province.

### 2015

加拿大绿色低碳城区模式引入天津滨海新区开发区。

Canadian Green Low-carbon City Model was introduced to Tianjin Binhai New Area.



### 2016

加拿大木业成立木家具市场开发部门, 开始向广大家具厂商推广加拿大针叶材。

Canada Wood China established the team of wood in manufacturing, starting to promote Canadian softwood lumber to furniture manufacturers.

### 2019

中加生态示范区建成100套加拿大 Super E®节能木结构住宅。

100 Super E® wood-frame units were built in Sino-Canadian Ecological Demonstration Area.



### 2018

与上海电气研砼建筑科技集团有限公司合作开发的MPEC节能木墙系统正式面世, 将预制节能木墙推向装配式建筑领域。

MPEC, the prefabricated energy-saving wood infill wall system, developed in cooperation with Shanghai Shanghai Electric Group Matechstone Engineering Group Co., Ltd has been officially launched. This product facilitated the promotion of energy-saving Prefab wood walls for the industrialized construction sector.

# 业务范围

## Business Scope

### 技术交流

#### Technical Exchanges

支持现代木结构技术相关的国际交流, 协助制定、更新中国木结构相关技术规范 and 标准、图集等技术出版物。

Support international communications and the exchange of modern wood construction technologies; assist the compilation and renewal of technical publications such as field manuals, guides on best practices, and reports on codes and standards; compiling design examples and case studies for timber structures in China.



### 项目咨询

#### Project consultations

为国内木结构项目提供策划、设计、施工、质量控制及维护等方面的技术支持和现场指导。

Provide technical support and on-site instructions for the planning, design, construction, quality control and maintenance of wood projects.



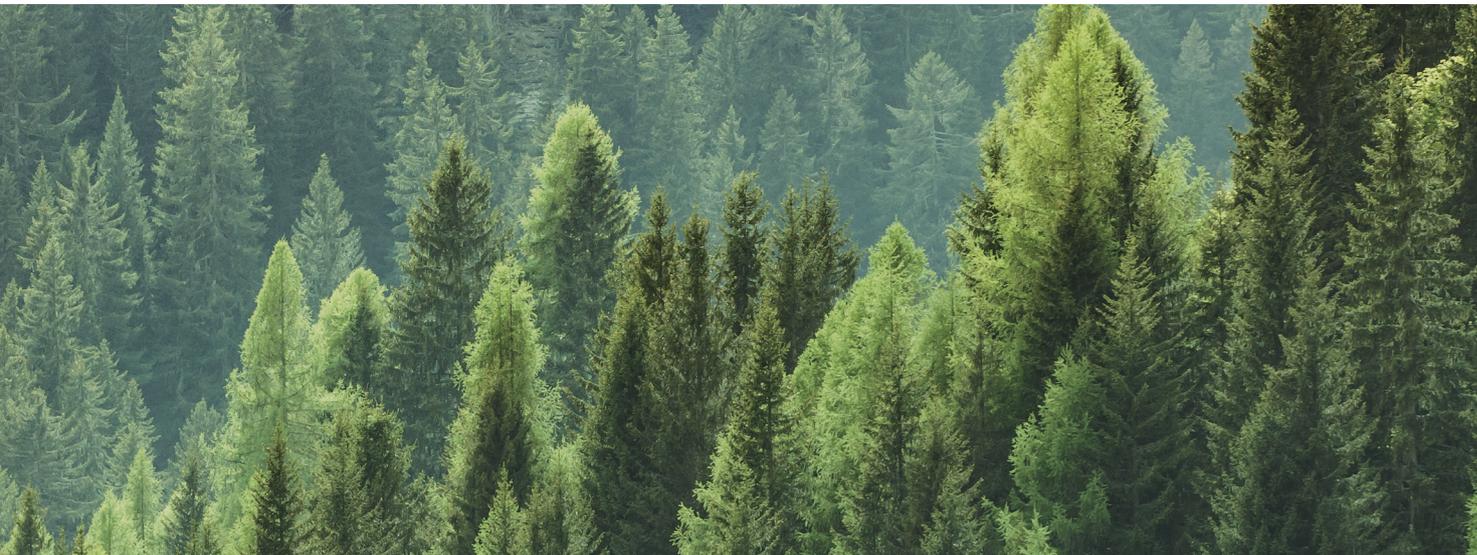
### 培训辅导

#### Training

与相关高校、职业技术学校合作开展相关培训项目, 针对相关行业, 举办各种线上、线下培训。

Cooperate with universities and vocational schools to carry out technical training. Organize various online and offline training for related industries, engaging students, officials, engineers and construction professionals.





## 宣传推广

### Promotions

参加行业展会, 举办专题研讨会和制作宣传手册及技术资料, 通过传统媒体及社交媒体进行宣传。

Represent the Canadian wood industry at tradeshows, host seminars and produce brochures and technical materials. Promote through traditional and social media with both offline and online marketing.



## 商务考察

### Business Visits

组织开发商、设计师、以及行业相关人士, 在国内和加拿大进行技术及商业项目的考察。

Organize delegations and overseas missions for developers, designers, and industry stakeholders to conduct technical and business visits between Canada and China.



## 示范项目

### Demonstration Projects

同国内项目开发企业, 和行业相关机构, 共同设立具有示范意义的木结构项目。并提供设计、建造技术、材料使用及技术创 新等方面的专业咨询服务。

Develop wood demonstration projects with the cooperation of local developers and industry related organizations to showcase the potential for wood construction, with localized examples that fit market standards.



# 业务重点

## Business Focus

### 木结构建筑——装配式

#### Prefabricated wood construction

装配式木结构建筑指的是木结构构件例如墙体、屋顶、楼板在工厂预制,再运输到现场装配而成。

Prefabricated wood construction consists of wood components such as walls, roofs, and flooring which can be manufactured in a factory and transported to the jobsite for installation.



### 装配化木结构的优势

The advantages of prefabricated wood construction:



#### 节约人工:

木质构件自重轻,节点连接安装容易,现场无需过多人力和器械。

Saving labor-costs: The weight of wood components is light, and the connections are easy to install, which require less manpower and equipment on site.



#### 清洁环保

木材本身是低碳环保的建材,预制木结构可以大大减少工地现场扬尘。

Clean and environmental-friendly: Wood itself is a low-carbon environmental-friendly building material. Prefabricated wood construction can greatly reduce construction waste from reducing the work required on site.



#### 缩短工期

工厂内加工构件可不受极端气候条件所影响,并且现场施工时间要比传统混凝土节约一倍左右。

Reduction of the erection time: The processing of components inside the factory will not be delayed by extreme weather conditions, and the construction time can be reduced by half when compared with traditional concrete structure.



#### 质量可控

工厂预制可以保证构件不受环境气候和湿度的影响,大大提高构件质量。

Quality control: Prefabrication can ensure that the components are not affected by the weather and humidity, with better control systems in place that can significantly improve quality.

### 常用加拿大树种

Canadian species:



加拿大SPF(云杉-松-冷杉)  
Canadian SPF (Spruce-Pine-Fir)



西部红柏  
Western red cedar



## 木结构建筑——文旅康养

### Wood construction in culture, tourism, wellness and elderly-care sector

木材在国际上被公认为绿色建筑材料。在文旅康养项目中大力采用环保、绿色、可持续的木结构建筑，顺应可持续发展的战略，符合文旅康养产业发展的趋势。并且木结构能够给人以温暖、舒适、健康的感受。

Wood is recognized across the world as a green building material. An important trend in the development of culture, tourism, wellness and elderly-care (CTWE) sector is to use the sustainable wood construction which is built with the environmental-friendly and green material – lumber. Given its natural characteristics, wood construction can give occupants a feeling of warmth, comfort and health.

## 木结构文旅项目的优势

The advantages of wood construction in CTWE sector:

### 亲生物设计

使用木材设计能够将自然元素融入建筑空间，将建筑物与自然联系在一起。

Biophilic design: Designing with wood can integrate natural elements into the architectural space, which connects the building to nature.

### 健康舒适

木材所散发的天然气味能够安定情绪，让居住者放松身心，产生乐观积极的情绪。

Wellness and comfort: the natural smell of wood can give a natural atmosphere for the space, offering a relaxing environment for residents.

### 与自然共存

木质构件自重轻，运输方便，对地基要求低，施工过程中对环境破坏小。在依山傍水，低丘缓坡的场地施工，将对山体、林地和水体的破坏降到最低。

Coexisting with nature: Wood components have lighter weight, so they are easier to transport, have lower requirements for foundation, and have less damage to the environment during the construction process. Wood construction can minimize the impact to mountains, forestry and water when the construction is carried out in sites located close to natural environments.

### 节约成本

裸露的木质构件不仅是结构构件同时还可以作为内部装修的一部分。

Cost-saving: Exposed wood components are not only structural, but can also be featured as a part of interior decoration given the aesthetic elements they offer.

## 常用加拿大树种

Canadian species:



加拿大SPF (云杉-松-冷杉)  
Canadian SPF (Spruce-Pine-Fir)



加拿大铁杉  
Canadian western hemlock



花旗松  
Douglas-fir



西部红柏  
Western red cedar



西部黄柏  
Western yellow cedar

# 木材再加工——家具

## Wood in manufacturing: furniture

加拿大铁杉(Canadian western hemlock)质地细密,纹理直且均匀,年轮清晰,心材和边材几乎没有差别,颜色从乳白色到淡黄色。加拿大铁杉制成的板材可以产出6米长的无结清材,板材在干燥和老化过程中会逐渐变硬,因此在整个使用期内都具有极佳的耐磨性。

Canadian western hemlock features a fine texture and a straight, uniform grain. It has clear ring. There is almost no difference between heartwood and sapwood, and the color ranges from milky white to light yellow. Hemlock lumber can be produced to six meters long without knots. It is seasoned uniformly in dry kilns. Kiln drying improves its strength and stiffness, and increases resistance to decay while in usage.



## 加拿大铁杉的优势

Features of Canadian western hemlock:



### 纹理均匀

木材纹理直且均匀、质地细密,多呈现无缺陷木材。

Uniform texture: The wood texture of hemlock is straight and even, fine and dense. It can be processed to clear lumber.



### 易于加工

在进行机械加工的过程中,木材刨光后无开裂,对钉子和螺丝也具有极佳的咬合力。

Excellent machining: The dressed hemlock lumber does not have cracking in the process of mechanical processing. It has excellent performance in nail- and screw-holding.



### 经久耐磨

经过风干或窑干干燥后的铁杉木材尺寸稳定、质地坚硬、表面光滑耐磨。

Durable and abrasion resistant After air drying or kiln drying, the size of hemlock lumber is stable, the texture is hard, the surface is smooth and abrasion resistant.



### 着色无忧

不含树脂且表面平滑,能更好地吸收不同的油漆和着色剂。

Good staining and painting: Hemlock doesn't contain resin so it can absorb different paints and colorants better.

## 常用加拿大树种

Canadian species:



加拿大铁杉  
Canadian western hemlock

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