Opportunities for US Hardwoods

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AMERICAN HARDWOODS

- Healthy, non-toxic, and low-impact material
- Material of high quality and durability
- Non threaten and certified sustainable resource
- U.S. has wide variety of hardwood species
- Great volumes are available
- Consistency in quality is secured by grading



Spurce: AHAC and John Brown, Pike Lumber Co. IN

U.S. Hardwood Species

Commercially Available

- Alder
- Ash
- Basswood
- Birch
- Beech
- Cherry
- Cottonwood
- Hickory
- Soft & Hard Maple
- Red & White Oak
- Yellow Poplar
- Walnut

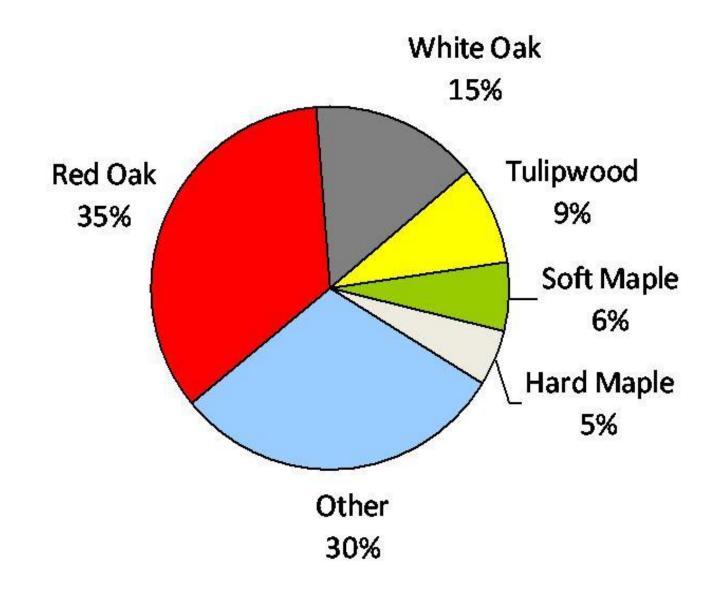
Lesser Known

- Red Elm
- Grey Elm
- Sassafras
- Butternut
- Coffeenut
- Sycamore
- Hackberry



Source: John Brown, Pike Lumber Co. IN

Species Profile of the U.S. Hardwood Forest







White Oak (Quecus spp.)







White Ash (Fraxinus spp.)









Black cherry (Prunus serotine)



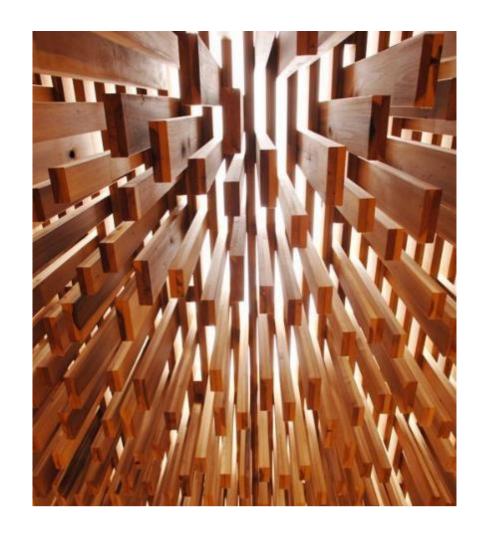




Drivers for Increase Use of Wood

- Environmental performance
- Technological innovation

Fashion



Source: AHEC, Mike Snow

American Hardwoods

Renewable and Sustainably Managed Resource

- Volume of wood standing in US forests increased by 610 million m³ per year between 2000 and 2010 according to FAO Forest Resource
- In Midwest, hardwood forest growth is 3.5 times higher than removal.



Source: FAO Forest Resource, IDNR

Demonstrating Environmental Performance

50% of consumers confused by green claims led to a reluctance to buy "green" products

Focus on Environmental Life Cycle Assessment (LCA) science based & transparent environmental indicator

Ground - breaking LCA research on US hardwoods

LCA data and EPDs are available



Source: AHEC, Mike Snow





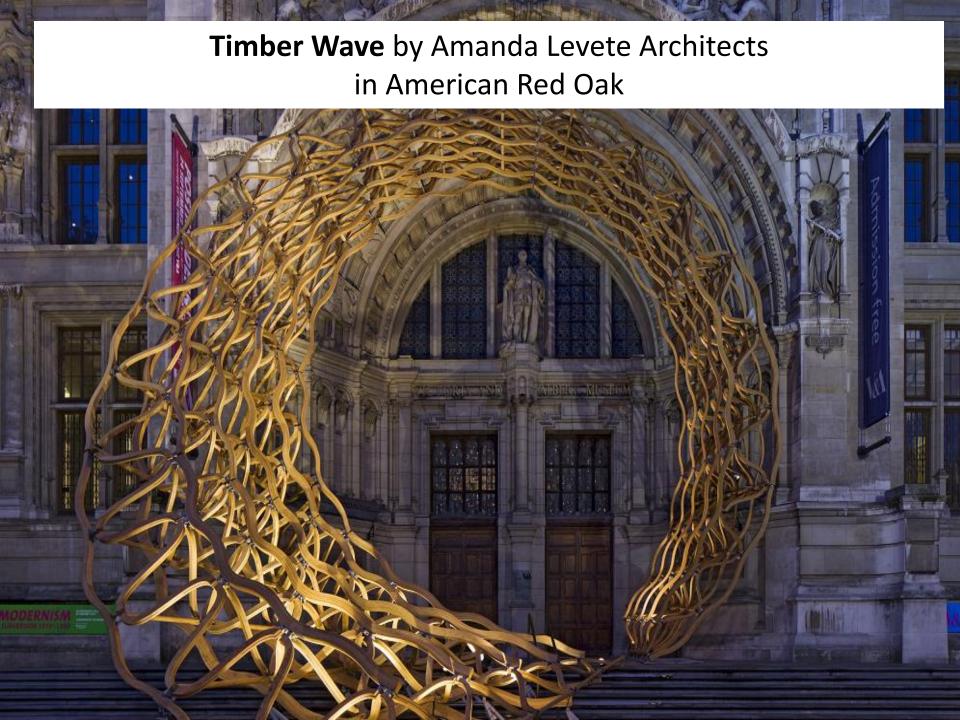
Examples of American Hardwoods Around the World

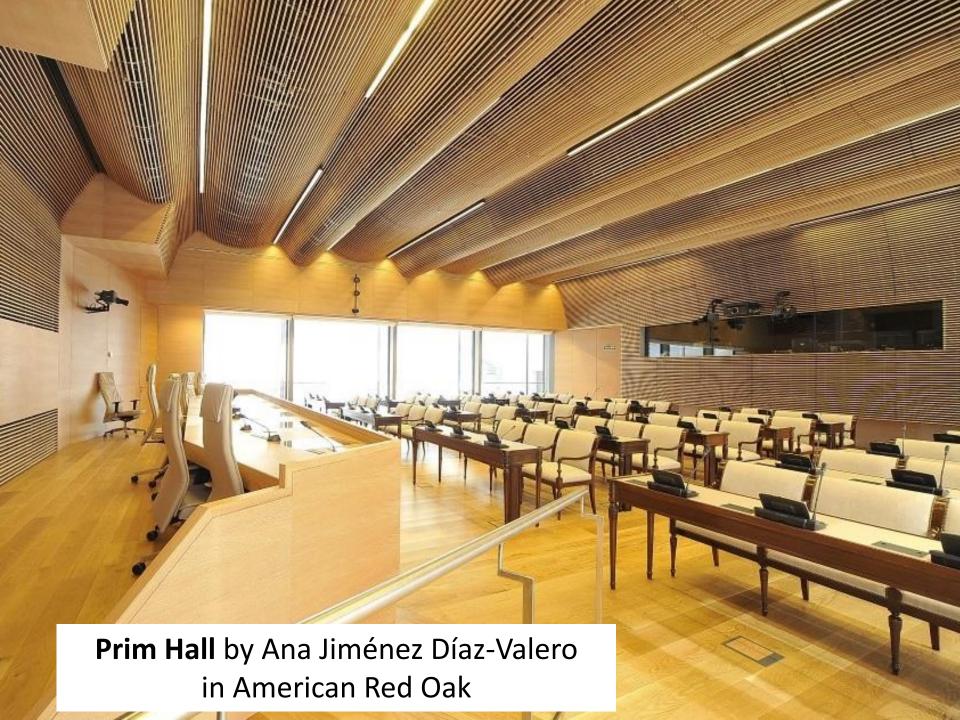
By Michael Snow Executive Director

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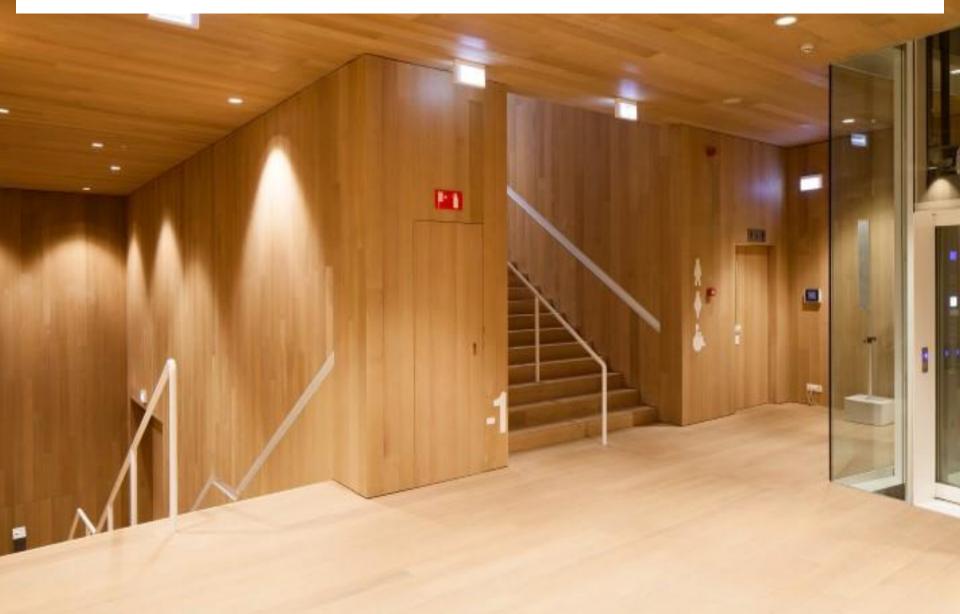




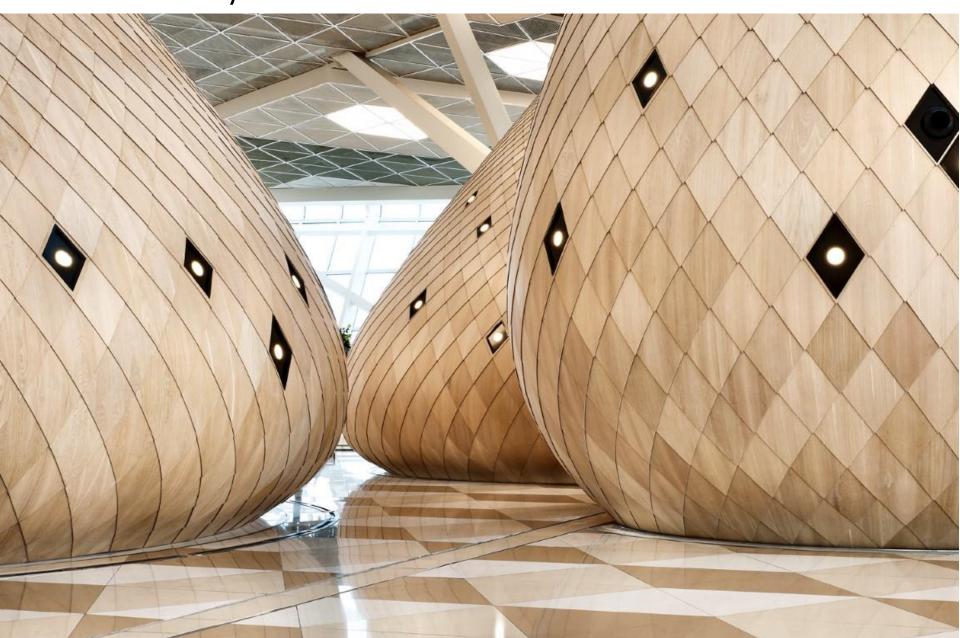




Mechelen Museum by DMVA Architects and HLCR Architects in American White Oak

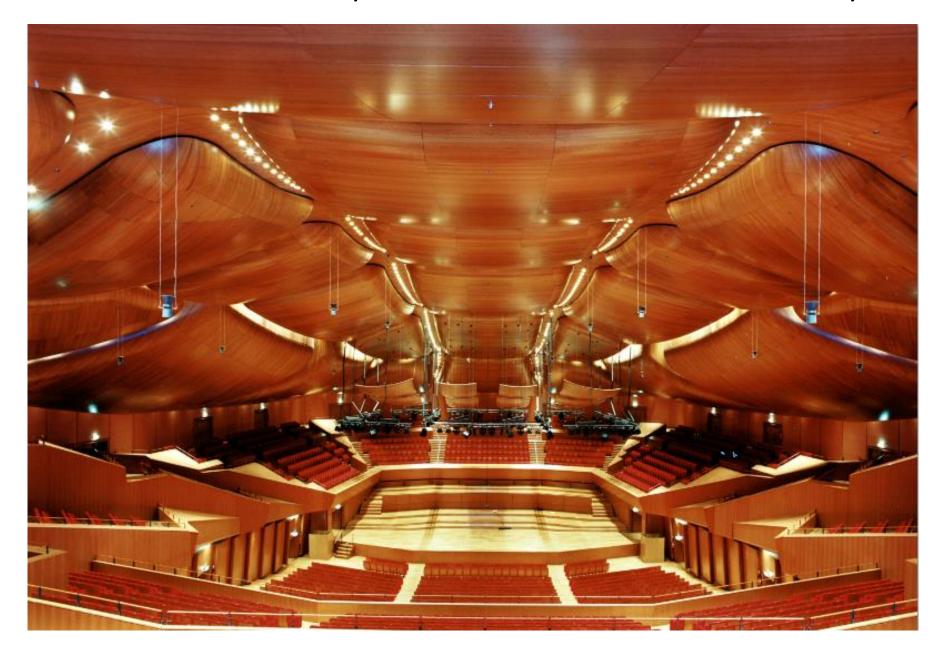


Heydar Aliyev International Airport in Azerbaijan by Autoban Studioin American White Oak





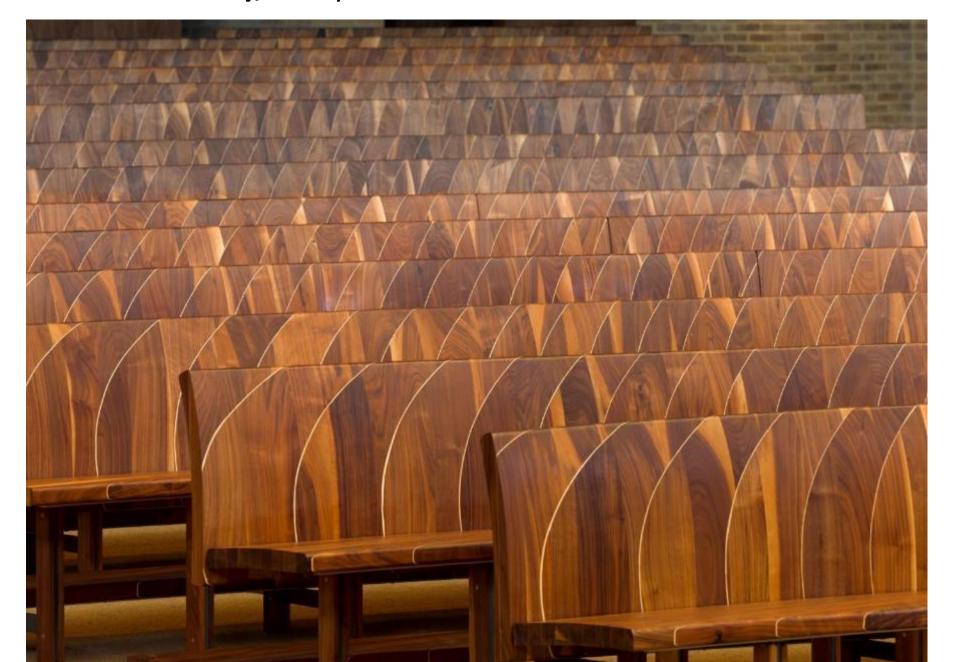
Rome Auditorium by Renzo Piano in American Black Cherry



Heated Treated American Tulipwood Window



Worth Abbey, UK by Heatherwick Studio in American Walnut



American Hard Maple





American Red Alder

