

Taschen
ARCHITECTURE IN THE 20TH CENTURY

Peter Gössel, Gabriele Leuthäuser

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ARCHITECTURE IN THE 20TH CENTURY

Un manuale di architettura imperdibile

Un secolo di grandi edifici e architetti

L'opera di riferimento definitiva sull'architettura del XX secolo. Dalle celebri "archistar" a nomi meno noti provenienti da tutto il mondo, questa panoramica cronologica vi svelerà le idee, le tendenze e le fasi di transizione che hanno caratterizzato l'architettura del Novecento.

Non manca nessuno: da Frank Lloyd Wright ad Antoni Gaudí, da Frank O. Gehry a Shigeru Ban, tutti i migliori architetti sono presenti all'appello. I capitoli, organizzati cronologicamente e illustrati da **centinaia di foto di grande formato**, nonché da numerosi disegni e planimetrie, forniscono un excursus coerente e completo. L'appendice biografica include tutti i più grandi architetti del secolo, compresi i nuovi talenti contemporanei. Un **manuale indispensabile** per tutti gli appassionati di architettura!

"Un prezioso punto di riferimento per studenti e appassionati di architettura."

— C20, London

Gli autori:

Peter Gössel dirige un'agenzia che si occupa di design espositivo e museale. Con TASCHEN ha pubblicato monografie su Julius Shulman, R. M. Schindler, John Lautner e Richard Neutra, oltre a svariati titoli della collana Basic Architecture.

Gabriele Leuthäuser è stata ricercatrice associata presso il Museum Industriekultur di Norimberga fino al 1984. Ha lavorato come consulente freelance per mostre, musei e imprese, fino alla sua morte, sopraggiunta nel 2013.

#architettura

Decimus Burton and Richard Turner
Palm House in the Royal Botanical Gardens
in Kew/Surrey, England, 1844-1848
View from the south-west
Photo Stefan Koppelkorn



The exotic plants of the Royal Botanical Gardens were housed within a miracle of iron and glass 110 metres in length. Twelve boilers supplied warm water for the heating pipes and guaranteed an indoor temperature of 27 degrees even in winter. Rain water was channelled to an underground reservoir via hollow cast-iron pillars and collecting pipes in the stone base. A spoil car for transporting coal, the smoke outlet and the lead pipes for the sprinkler system were housed in a tunnel, which surfaced into a smokestack and comparable style water tower of a visually acceptable distance.

Greenhouse construction had reached technical maturity in as early as the seventeenth and eighteenth centuries. The use of iron long remained a matter of controversy, since it is a good conductor of heat and hence brings with it the problem of dripping condensation. Construction with iron only became popular around 1830 due to its light weight and the narrow struts it made possible. The easier methods of wood processing led Joseph Paxton to employ a new type of arched truss made of glued laminated wood. Successful solutions were applied to other areas, such as the glass roofing of shopping malls. The gap to be spanned in such arcades was usually small, posing little challenge to the engineer.

The development of large-area covered halls was furthered in England in the Royal Navy dockyards. Since a warship took up to 13 years to build, it was necessary to protect the unfinished hull from the weather and – as the Venetians had long been doing – to build a hall to house the ship during construction. Wooden versions of such covered berths were built in Portsmouth in 1814 and in Chatham in 1817. The first corrugated-plated iron constructions were introduced in 1845.

Exhibition halls had other specifications and design criteria. Emphasis lay not

Opposite page:
Interior view
Photo Stefan Koppelkorn
This photograph was taken before the start of restoration in 1985, while the Palm House was entirely empty.



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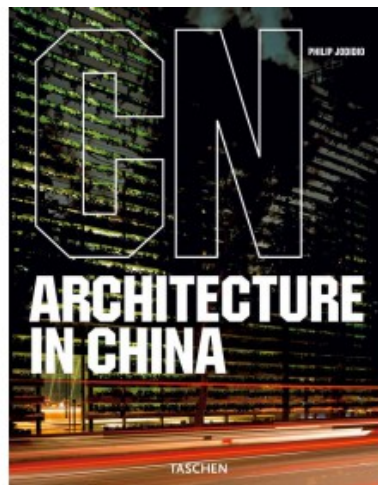
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