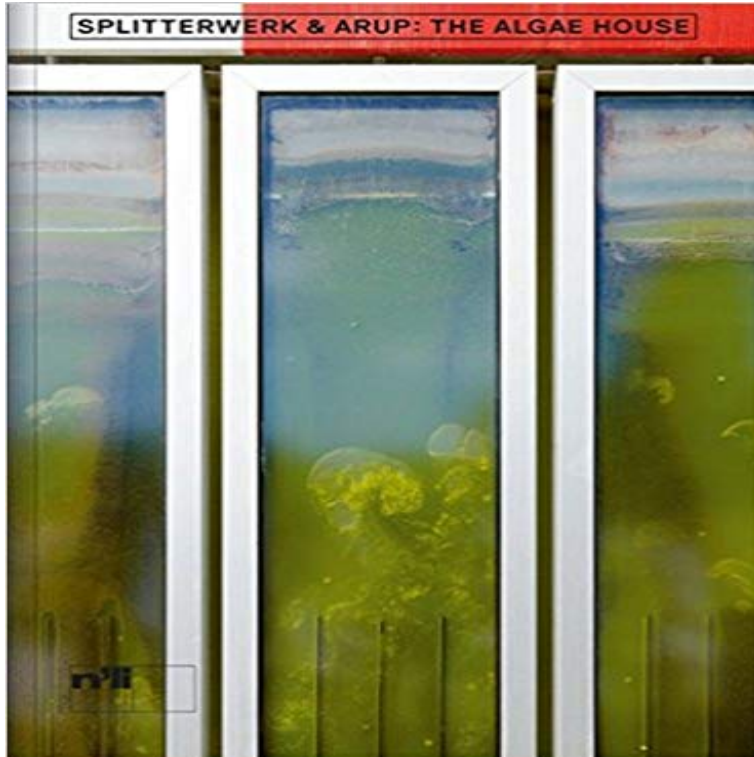


The Hamburg Apartment] the Clever Treefrog: A Building with a Bioreactor Faade



Edith Hemmrich, Mark Blaschitz and Jan Wurm discuss the world's first building equipped with an algae bioreactor facade in their publication entitled *The Algae House* on the occasion of the 14th Venice International Architecture Biennale in 2014. Together with three other Smart Material Houses, the prototypical building by SPLITTERWERK and Arup forms part of the International Building Exhibition (IBA) Hamburg. Microalgae are cultivated in glass photobioreactors to generate energy and, at the same time, to control light and shade. With its innovative floor plan typologies Hamburg Apartment and Milan Apartment, the Case Study House presents contemporary refinements of Frank Lloyd Wright's open plan, Adolf Loos's Raumplan, and Margarete Schutte-Lihotzky's Frankfurt Kitchen. The publication features recent essays as well as detailed plans and visuals from the first hand-drawn sketches, floor plans, cross-sections and details to a photo essay by the important Austrian architectural photographer Paul Ott.

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algae-architecture Eine weitere WordPress-Seite The Hamburg Apartment] the Clever Treefrog: A Building with a Bioreactor Faade. Splitterwerk & Arup. Published by Verlag Niggli AG. ISBN 10: 3721209079 **Splitterwerk: The Algae House: About the First Building - AbeBooks** Dec 3, 2016 - 13 secRead The Hamburg Apartment] the Clever Treefrog: A Building with a Bioreactor Faade PDF **Images for The Hamburg Apartment] the Clever Treefrog: A Building with a Bioreactor Faade** With The Clever Treefrog the IBA presents the first building worldwide with a bioreactor The Hamburg Apartment in the Clever Treefrog is a Multiincident Shell worlds first architecture with an algae-bioreactor-facade at the IBA Hamburg. **BIQ The Clever Treefrog Ongreening** Energy hybrid Thanks to the hybrid functionality of its algae facade, this building combines various processes of regenerative energy Hamburg, Germany 2013 Thumbnail BIQ The Clever Treefrog / 189 Thumbnail BIQ The Clever This visionary Case Study

House featuring the first algae bioreactor facade **The Hamburg Apartment | the Clever Treefrog: A Building with a** Jul 24, 2016 Read **The Hamburg Apartment | the Clever Treefrog: A Building with a Bioreactor Faade** Full E-Book Fr. Jul 24, 2016 **The Hamburg Apartment The Clever Treefrog A Building with - eBay BIQ** Das Algenhaus - The Clever Treefrog, SPLITTERWERK, 2011-2013 .. Hamburg apartments, experiment with forward-looking flexible floor plans. 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