

# **The Architecture of Industry**

**Changing Paradigms in  
Industrial Building and Planning**

**Edited by Mathew Aitchison**

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Changing Paradigms in Industrial Building  
and Planning

Edited by

Mathew Aitchison

*University of Queensland, Australia*

ASHGATE

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# List of Figures

## 1 Industrial Architecture, Past and Present

1.1 AEG Turbinenfabrik, 1909, Berlin. Architect, Peter Behrens. Photograph by the author, 2003.

1.2 Buffalo, New York, April 2013. If there is a symbol common to all Rust Belt cities, it is the sheer quantity of surface parking lots in downtown areas. Photograph by the author.

## 2 Post-Industrial Spaces of Production: The New Brooklyn Economy and the Deutsche Werkbund

2.1 "Made in Brooklyn" is back: Recycled, small-scale, handmade, and laser cut. Vendor sign at the Brooklyn Flea, December 2013. Image courtesy of author.

2.2 The new Brooklyn economy on the ground: In an area about the size of Manhattan and parallel to it. Map, by Scarlett Esion.

2.3 The face of new artisanal commerce: Empty industrial space, stenciled signage, stylish locations. The Brooklyn Flea and Smorgasburg's winter location 2013/14. Image courtesy of author.

2.4 Strikingly different visual indications of quality a century apart:

A slick and exquisite Salamander shoe store by August Endell in the 1913 Yearbook of the Deutsche Werkbund, and a typical vendor booth at the Brooklyn Flea, evokes authenticity by not being slick and exquisite. Brooklyn Flea image courtesy of Scarlett Esion.

2.5 A live/work craftsman hive circa 1907, the opposite of factory workplaces of its day. Riemerschmid House, near Munich. Residential wing. Image courtesy of author.

2.6 A DIY hotbed and informal business incubator 2013, the opposite of upscale Manhattan: Roberta's restaurant, Bushwick. Images courtesy of George J.A. Murray.

2.7 Utopia of Production circa 1913: Hellerau Garden City, factory of the Deutsche Werkstätten, Richard Riemerschmid architect. Riemerschmid redesigns the ideas behind his house/workshop as a whole factory town. Image courtesy of author.

2.8 An idealized version of small-town living as the place of industry. Hellerau Garden City, town center. Architect, Richard Riemerschmid. Image courtesy of author.

2.9 Craft reformer meets big industry 1911–1912: Assembly Hall

for Large Machines, AEG complex at Humboldtthain, Peter Behrens architect. The most famous industrial designer of the new wave trying to decide how the modern world should look, for the German general electric company. Image courtesy of author.

2.10 Assembly Hall for Large Machines, Peter Behrens architect. Using modernist monumentality to ennoble the site of industry. Image courtesy of author.

2.11 The Pfizer Building, until recently headquarters of the pharmaceutical company, now the new center of Brooklyn's artisanal food industry. Image courtesy of author.

2.12 Roll call of the new Brooklyn economy: Tenant plaques in the lobby of the Pfizer Building. Image courtesy of author.

2.13 Artisan-Industrial Complex: Brooklyn Navy Yard. The biggest center for the new manufacturing is a campus of buildings of widely differing styles and periods. Ideals like those of Hellerau, site like that of the AEG Assembly Hall. Image courtesy of author.

2.14 Future site of the New Lab, Brooklyn Navy Yard, the flagship design and tech center for the complex. The developers hope that it will be a temple of the new manufacturing economy in much the way Behrens' factories were a hundred years ago. Image courtesy of author.

### **3 The Industrial Pastoral in the Tennessee Valley Authority**

3.1 Map of the Tennessee Valley River system. This map highlights the inclusive states and lists all projects completed by 1963. TVA Archives, Knoxville.

3.2 A house in Norris created by the Tennessee Valley Authority, 1940. TVA Archives, Knoxville.

3.3 Lewis Hine, "The home of Harriet Hankins in the area of the proposed

town at Norris Dam". October 25, 1933. National Archives, Record Group 142, H-34.

3.4 Norris Dam and powerhouse, 1937. Library of Congress Prints and Photographs online collection.

3.5 Pottery from Norris, 1937. Record Group 142, Office of Engineering, Design, and Construction, Project Histories, Box 699, Photo number ES-5204 "Articles made in Ceramics Laboratory, Norris, TN, 6-15-1937". Morrow, GA.

3.6 Norris Dam visitor building, 1939. Pottery from the Norris ceramics lab appears in the window at the right. Library of Congress Prints and Photographs online collection.

3.7 "Washday at the Stooksberry homestead near Andersonville, Tennessee". Lewis Hine, October 23, 1933. National Archives Record Group 142, H-18.

3.8 Norris Dam and highway, 1937. Library of Congress Prints and Photographs online collection.

3.9 Hiwassee Dam and highway, 1940. Library of Congress Prints and Photographs online collection.

3.10 Refreshments concession inside Norris visitor building, 1937. Library of Congress Prints and Photographs online collection.

3.11 Interior of Watts Bar Steam Plant lobby, June 21, 1944. TVA Archives, Knoxville.

3.12 Guntersville Dam powerhouse, 1940. Library of Congress Prints and Photographs online collection.

3.13 Norris Dam powerhouse, 1937. Library of Congress Prints and Photographs online collection.

3.14 Watts Bar Dam, Tennessee, March 2012. This photograph depicts a bridge created to facilitate easy access from a



nearby public park overlooking the river, to the Watts Bar Dam on the other side of the highway. Image courtesy of author.

#### **4 Secret Spaces: Southern California's Aerospace "Think Factories"**

4.1 The Aerospace Corporation, looking across the main quadrangle from the top of the administration building. The two-story laboratories flank the library at the center. Just above the library, to the right, is the putting green, thought to encourage deep thinking and handy for entertaining generals. J. Paul Getty Trust, Getty Research Institute, 2004.R.10.

4.2 Opening day at the Douglas Aircraft plant in Long Beach, CA, October 22, 1941. It was designed for "black-out" conditions, with no windows, air-conditioning, underground storage bunkers and bomb shelters, to defend against aerial attack. Note the "Arsenal of Democracy" banner. The Boeing Company.

4.3 B-17A Flying Fortress assembly line at Douglas Aircraft in Long Beach. On the right, fuselage halves are assembled in moving jigs from prefabricated parts. Douglas Aircraft's "Flow Line" assembly turned out 31,000 aircraft at the Long Beach plant during the war. Library of Congress.

4.4 Camouflaging the Douglas Aircraft plant in Santa Monica, CA. To disguise the plant from enemy bombers, landscape architect Edward Huntsman-Trout turned the factory's rooftop into a faux suburban streetscape, complete with houses, trees, and automobiles. Aircraft factories provided a new challenge for Hollywood set designers. Santa Monica Public Library.

4.5 Linda Vista under construction in San Diego. The 3,000 home defense housing project went up in less than a year, thanks to mass production techniques. The sawmill is at the left, with the prefabricated units ready for delivery to their sites. Library of Congress.

4.6 Convair Astronautics, San Diego, America's first missile factory. Pereira

set his lobby and its aluminum ramp between the two administrative buildings. The "waffle", or engineering buildings, extended behind it. Final assembly was done in the high bay building at the left, and testing in the isolated canyons beyond. San Diego Air and Space Museum.

4.7 Final assembly of Atlas missiles at Convair Astronautics. Sturdy in appearance, the missile bodies were actually fragile stainless steel "balloons", given rigidity by internal pressure. Extreme precision required highly skilled workers and clean room conditions. San Diego Air and Space Museum.

4.8 Space Technology Laboratories, model. The name, trademarked by Simon Ramo, says it all, the blue sky laboratory that would significantly influence all of its successors, in look and aspiration. Melville Branch Papers, James Cabell Library, Virginia Commonwealth University Libraries.

4.9 TRW Canoga Park. The zen-like landscaping of local aggregate and rock enclosed the spray pools, with an olive tree, at the center. Intended as a place for scientific meditation, it included places to pace but oddly no place to sit. Grant Studio, A.C. Martin Partners.

4.10 TRW Space Park, Environmental Development Laboratory. The blue collar counterpoint to the blue sky laboratories surrounding it, the laboratory's shake tables, vacuum and cryogenic chambers, arc lights, and anechoic chambers simulated the harsh conditions of space, and ensured the performance of satellites before they left the earth. J. Paul Getty Trust, Getty Research Institute, 2004.R.10.

4.11 North American Aviation Science Center, Thousand Oaks. Perched above a steep arroyo just beyond the other side of the building, the Science Center blended right in to the upscale community around it. The concrete support columns and auditorium shell, to the right of the image, incorporated local stone into the concrete, much as the landscaping took advantage of local



scrubs, trees and groundcover. J. Paul Getty Trust, Getty Research Institute, 2004.R.10.

4.12 Eichler Homes, Thousand Oaks. Eichler offered modernism on a budget and his blue sky homes specifically targeted "swingers and intellectuals", which still included aerospace engineers in the 1960s. Thousand Oaks Public Library, Special Collections.

4.13 Santa Susana Field Laboratory, static test stand. Rocketdyne put its rocket engines to the test on 2,000 acres of canyon-lands between Canoga Park and Thousand Oaks. Now an EPA Superfund site, SSFL is an enduring reminder of the environmental costs of the Cold War. Rocketdyne Archives.

4.14 A B-2 Stealth Bomber in front of Plant 42 in Palmdale, adjoining Edwards Air Force Base north of Los Angeles. Plain looks belie one of the most sophisticated assembly plants ever constructed. Wikipedia Commons.

## 5 Walmart and the Architecture of Logistics

5.1 Celebrating the UPC Bar Code's 30th anniversary in Troy, Ohio. Troy Historical Society.

5.2 The bar code foregrounds the role of objects as information carriers. Lawrence Hicks, *The Universal Product Code* (New York: Amacon, 1975).

5.3 A diagram of goods in time and space from World War II. James A. Huston, *The Sinews of War: Army Logistics 1775–1953* (Washington, DC: Office of the Chief of Military History, United States Army, 1970).

5.4 Location tables optimize territorial positions. Illustration by author, based on drawing in Dov Izraeli, *Franchising and the Total Distribution System* (New York, NY: Prentice Hall, 1972).

5.5 Brooklyn Army Terminal, Cass Gilbert, 1918–19. Courtesy of Angela Co.

5.6 Paul Baran developed a distributed network model that would minimize disruption. Paul Baran, *On Distributed Communications* (Santa Monica, CA: The Rand Corporation, 1964).

5.7 The cover of the 2010 Retail Industry Leaders Association uses a diagram similar to Baran's. Author.

5.8 US locations of Walmart stores and distribution centers, as of 2008. Illustration by author with data from the following sources: "The Walmart Distribution Center Network in the United States", MWPVL International. Available at: <http://www.mwpvl.com/html/walmart.html> [accessed January 20, 2014]; "List of Walmart Distribution Centers", Alabama Gulf Coast Video. Available at: <http://www.algulfcoastvideo.com/Walmart1.htm> [accessed January 20, 2014]; Thomas J. Holmes, "The Diffusion of Wal-Mart and Economies of Density", *Econometrica*, Vol. 79, No. 1 (January, 2011), 253–302; "Opening dates of Wal-Mart stores and Supercenters, 1962–January 31, 2006 (Alaska and Hawaii excluded)", geoCommons. Available at: <http://geocommons.com/overlays/133211> [accessed January 20, 2014]; "Walmart, Sam's Clubs, And Super Walmart Centers in the United States & Canada (Csv)", POI Factory: New and Interesting Places for Your GPS. Available at: <http://www.poi-factory.com/node/25560> [accessed January 20, 2014].

5.9 Drawing of a Walmart Supercenter indicating the "crust" around the internal merchandise display area. Illustration by author (with Frank DeBlasio).

5.10 Drawing of Walmart data center and the earthen berms that surround it. Illustration by author (with Frank DeBlasio).

5.11 A Walmart distribution center indicating both the thin ribbon of conventional enclosure and the trucks and trailers that preserve interior continuity. Illustration by author (with Frank DeBlasio).

## 6 Laboratories of Experimental Science

6.1 The Sainsbury Laboratory (2011), courtyard fronting the security entrance from Bateman Mews. Image courtesy of author.

6.2 Courtyard of the Salk Institute for Biological Studies, La Jolla, California (1965), Louis Kahn Architect. Image courtesy of author.

6.3 Courtyard of the Parc de Recerca Biomedica de Barcelona, Spain (2007), Manuel Brullet and Albert de Pineda Architects. Lluís Casals.

6.4 Circulation at the EMBL Advanced Training Centre, Heidelberg, Germany (2010), Bernhardt and Partner Architects, takes the form of double helical ramps. Image courtesy of author.

6.5 The Centre for the Unknown, Lisbon, Portugal (2010), Charles Correa Associates alludes to the cosmos and emphasizes the limitless of the sea and the sky. Its rectangular laboratory wing is not evident externally and its architecture and location suggest an aquarium. Image courtesy of author.

6.6 View from the main circulation space of the laboratories on the first floor of the Sainsbury Laboratory, Cambridge (2011), Stanton Williams. Image courtesy of Hufton and Crow.

6.7 Isometric of the subterranean basement level of the Sainsbury Laboratory showing the extent of plant, specialized equipment rooms largely for plant growing and the Darwin Herbarium (plant archives). Image courtesy of author.

6.8 Isometric of the ground floor of the Sainsbury Laboratory showing the semi-public outdoor and indoor spaces, including the auditorium, café and meeting rooms in light gray. Image courtesy of author.

6.9 Isometric of the first floor of the Sainsbury Laboratory showing the semi-

public spaces of circulation, meeting rooms, and open plan offices in light gray and the laboratory rooms in darkest gray. The laboratory proper occupies only a small proportion of the entire building and in 2012 was only 25 per cent occupied. Image courtesy of author.

6.10 Isometric of the Sainsbury Centre in its immediate context: 1. Sainsbury Laboratory; 2. Plant Growth Facility; 3. Cory Lodge; 4. Glasshouses and sheds for the Botanic Gardens; 5. St. Mary's School; 6. Bateman Mews; 7. Botanic House. Image courtesy of author.

6.11 Plant Growth Facility (2005), designed by R H Partnership, adjacent to the Sainsbury Laboratory, Cambridge. Image courtesy of author.

6.12 Gate to the private courtyard, Sainsbury Laboratory, Cambridge (2011), Stanton Williams. Image courtesy of author.

6.13 The photographs commissioned by Stanton Williams of the Sainsbury Laboratory emphasize transparency. In this image the difference between interior and exterior is minimized by the point of view and supported by an architecture that emphasizes continuity of materials and planes. Image courtesy of Hufton and Crow.

## 7 Offshore City: The Regulatory Space of Finance and the City of London

7.1 Ugland House in the Cayman Islands, the registered address for 18,857 entities. Image courtesy of Hoylen Sue, 2011.

7.2 Map showing the City of London, also known as the "Square Mile", in the context of Greater London. Modification by the author and Ollie Palmer of Wikimedia Commons, "Numbered map of the boroughs of London", 2009. Available at: <http://commons.wikimedia.org/wiki/File:London-boroughs.svg> [accessed June 16, 2014].

7.3 Photograph of the medieval Guildhall, headquarters of the City of London Corporation. Its iconic

"Hindoostani Gothic" façade was added by George Dance in 1788. Image courtesy of Danielle Willkens, 2013.

7.4 The scene at the Bank of England as messengers dash out with the news that the Bank Rate had been reduced from 3 ½ per cent to 3 per cent. 14 May 1954. Courtesy of Topfoto.

7.5 Photograph of the walled fortress of the Bank of England surrounding Herbert Baker's superstructure. Danielle Willkens, 2013.

7.6 Watercolour perspective showing the New Change Bank buildings by Victor Heal (1960) built to accommodate the Bank of England's Accountants' Department in a somewhat reactionary Neo-Georgian style. Reproduced with the kind permission of the City of London, London Metropolitan Archives.

7.7 Photograph showing five new post-war office developments along London Wall (1960–65). Reproduced with the kind permission of the City of London, London Metropolitan Archives.

7.8 (a–c) Maps showing major office developments (over 10,000m<sup>2</sup>) during the three post-war building cycles in the City 1960–1977. Produced by the author with the kind help of Ollie Palmer. Map contains Openstreetmap data. Graphics are based on data from Richard Barras, *The Development Cycle in the City of London* (London: Centre for Environmental Studies, 1979) Appendix 2.

7.9 Photograph of 100 Liverpool Street and the entrance to Broadgate Circus, Arup Associates under Peter Foggo (1985–87) showing a thin layer of detached stone cladding. Richard Serra's 55ft steel installation "Fulcrum" (1987) was one of the many pieces of public art commissioned to adorn the scheme. Image courtesy of Danielle Willkens, 2013.

7.10 Trading floor of the London Stock Exchange Tower (1966–72), Lloyd Llewelyn Davies, Fitzroy Robinson &

Partners and Weeks, Forestier-Walker & Bor. Courtesy of the Mary Evans Picture Library.

7.11 Map showing the land designated conservation areas in the City Corporation's 1984 Draft Local Plan. Reproduced with the kind permission of the City of London Corporation. Contains Ordnance Survey data © Crown copyright and database right (1984).

7.12 Photograph of Canary Wharf Enterprise Zone. Image courtesy of Danielle Willkens, 2013.

7.13 20 Fenchurch Street by Rafael Vinoly under construction showing the shell of the building. Image courtesy of author.

## 8 The Experience of Australian Mining: Building, Planning, and Urbanization

8.1 The location of Australia's capital cities and the 405 active mine sites (2012). Around 66 per cent of the population lives in these eight cities. Around 89 per cent of Australia's population lives either in a major city or inner regional area. Data: 3218.0 – Regional Population Growth, Australia, 2012 (Australian Bureau of Statistics). Map by Author.

8.2 Survey of Stawell in the Victorian Goldfields, showing location of town in relation to "Auriferous Deposits and Reefs", 1869. R. Brough Smyth, *The Gold Fields and Mineral Districts of Victoria* (Melbourne, 1869), 228–9.

8.3 Pall Mall, Bendigo circa 1905. Note the operational mine center left. State Library of Victoria, photographer, S.J. Jones.

8.4 Comalco's housing estate at Weipa, Queensland, architect, Don Fulton, 1967. Wolfgang Sievers, National Library of Australia, an23259647.

8.5 Australia's changing population distribution: urban and rural sectors,

1921–2006. Graeme Hugo (ed.), "Demographic Change and Liveability Panel Report" (Canberra, 2010): 49.

8.6 Aerial view of Telfer Mine, Western Australia, 2014. (Location key by author. Original image in color.) Microsoft product screen shot reprinted with permission from Microsoft Corporation.

8.7 Western Downs Region Map, Queensland, Australia. Showing coal deposit and proposed gas pipeline, port and railways. Map by author.

8.8 "coal4breakfast?" Mining and resource protests on Queensland's Darling Downs. Photograph by author.

8.9 The main street of Acland, Queensland. Ghost town in waiting. Photograph by author.

8.10 Feature from *The Courier-Mail*. "Luxury Living in Villages Run on Gas", by Des Houghton, published August 18–19,

2012. Courtesy of Des Houghton and *The Courier-Mail*.

8.11 Santos Place (center) – Corporate Architecture of the Mining Boom. Architects, Donovan Hill (2009). Photograph by author.

8.12 Suburban Houses in Kalgoorlie. Photograph by author.

8.13 Map of Western Downs region showing Coal Seam Gas wells, temporary and fixed accommodation camps, and proposed infrastructure. Map by author.

8.14 Gold Coast, Queensland – tourism meets mining. Photograph by the author.

8.15 Remnants of an earlier boom. The Main Street of Davyhurst in 2012. Davyhurst was established in 1899 and abandoned in the 1920s and has since become one of many ghost towns in the West Australian goldfields. Photograph by the author.

## About the Editor

Dr Mathew Aitchison is University of Queensland Postdoctoral Research Fellow at the School of Architecture's ATCH research centre. Mathew is a researcher, teacher and architect with extensive international experience. He currently directs two major research projects with industry partners exploring prefabricated and modular housing. Since February 2014, he has led an expert team on a three-year Australian Research Council project investigating detached prefabricated housing. Since July 2014, he has led a group of academic and industry partners on a Queensland State Government research grant to investigate multi-storey modular housing. His recent research focuses on the architecture of industry, in particular, the building and planning related to Australia's mining industry.

Mathew's early scholarship focussed on twentieth century architectural and urban design discourses, in particular, the mid-century Townscape movement. His publications in this field include, *Visual Planning and the Picturesque* (Getty, 2010), the first publication of Nikolaus Pevsner's treatise on urban design and architecture. He organised the first retrospective symposium on Townscape, held at University College London in July 2011, and was editor of the ensuing themed edition of the *Journal of Architecture*, "Townscape Revisited", published in October 2012. He has published widely, in international journals such as the *AA Files*, *Journal of Architecture*, and *Fabrications*, along with numerous book sections and conference papers. In January 2014 Mathew became co-editor for book, exhibition and media reviews at the *Journal of Architecture*.

## About the Contributors

**Professor Stuart W. Leslie** is a historian of science and medicine at Johns Hopkins University, who has taken a recent interest in the history of architecture. He is currently preparing a study entitled, "The Architects of Modern Science" that looks at how modernist architects, including Saarinen, Kahn, Pei, Breuer, Stone, and Rudolph, have approached the special challenges of laboratory and health care design. He recently completed a year as the Lindbergh Chair at the National Air and Space Museum.

**Amy Thomas** is a Teaching Fellow and PhD candidate at the Bartlett School of Architecture, University College London. Her research project is entitled, "Building Regulatory Space: Finance and Architecture in the City of London 1947–1993". In 2012, Amy was awarded the RIBA President's Award for Outstanding Masters Thesis, entitled "Mart of the World: An Architectural and Geographical History of the London Stock Exchange". Beyond academia, Amy is also a practising portrait artist.

**Jesse LeCavalier** is an Assistant Professor of architecture at the New Jersey Institute of Technology. He was the 2010–11 Sanders Fellow at the University of Michigan, a Poiesis Fellow at the Institute for Public Knowledge at NYU, and a researcher at the Singapore-ETH Future Cities Laboratory. He is currently working on a book about the architecture and logistics of Walmart Stores, Inc., forthcoming from the University of Minnesota Press and with support from the Graham Foundation.

**Laura B. Sivert** is a PhD candidate in art history at Pennsylvania State University, where she is also teaching assistant. Her research focuses on the Tennessee Valley Authority and she expects to submit her dissertation in Summer 2014, with the title: "Powering a Nation: The Cultural Landscape of the Tennessee Valley Authority, 1933–1945". Most recently, she was the recipient of a fellowship at the Wolfsonian Museum in Miami Florida.

**Dr Erik Ghenoiu** is Adjunct Associate Professor of architectural history and theory and Director of Online and Print Publications at the Pratt Institute School of Architecture. He writes about visual urbanism and design theory in Europe and the United States from before the First World War and after the Second. He has also taught or been a fellow at City College, the University of Queensland, Parsons, Queens University-Belfast, Harvard, Freie-Universitaet Berlin, Technische-Universitaet Berlin, and the University of Wisconsin-Madison.

**Professor Sandra Kaji-O'Grady** is Head of School and Dean of Architecture at the University of Queensland. Her research tracks the transfer of ideas and techniques between architecture and other disciplines after the 1960s. She is currently working on a project funded by the Australian Research Council on the expression of science in contemporary laboratory research buildings. Her research was enriched by a 2012 Fellowship at the Institute for the Advanced Studies in the Humanities at the University of Edinburgh.



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The idea for this collection was first presented at the annual ATCH research centre colloquium in Brisbane July 2011 and was subsequently taken up as a themed session at the annual meeting of the Society of Architectural Historians in Buffalo, NY in April 2013. The project arose from the desire to engage more closely with contemporary developments in the fields of architecture and planning in Australia. As the study developed, my focus narrowed to the subject of mining alone, but the scope of the project expanded to include the international case studies represented in this volume, and cover a longer temporal framework. Over the past three years, the research towards this collection has put me in contact with a number of people and institutions that I would like to acknowledge.

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Mathew Aitchison  
Brisbane  
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