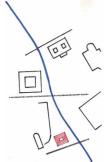
BAUAKADEMIE-Information



ACADEMY OF ARCHITECTURE INFORMATION

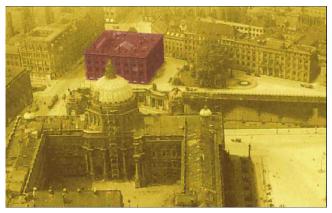


RECONSTRUCTION AND UTILIZATION OF SCHINKEL'S BAUAKADEMIE (ACADEMY OF ARCHITECTURE) INTERNATIONAL CENTRE FOR THE RESPONSIBLE DESIGN OF LIVING SPACE



FÖRDERVEREIN BAUAKADEMIE FRIENDS' ASSOCIATION

ERRICHTUNGSSTIFTUNG BAUAKADEMIE FOUNDATION FOR THE RECONSTRUCTION OF THE BAUAKADEMIE (ACADEMY OF ARCHITECTURE)



Bauakademie (Academy of Architecture), Schinkelplatz, City Palace (aerial photograph approx. 1913) – Edited by Dialog Design Michael Marschhauser -

Since 1994, the Friends' Association has been committed to

- ⇒ the rebuilding of Schinkel's Bauakademie (Academy of Architecture) including the true-to-original reconstruction of the historic façades as to re-establish the building's appearance as it used to be prior to it's partial destruction in WWII.
- ⇒ an interior layout considering former proportions and architectural moulds but corresponding to the new usage of the building as an International Centre for Innovation, Exhibitions, Events and Conferences (Schinkel Forum),
- ⇒ the establishment of the institution Bauakademie (Academy of Architecture) to be reformed as an internationally oriented institution for the transfer and exchange of knowledge in interdisciplinary fields of construction and architecture. Sustainable solutions for controlling climate change, shaping the energy turnaround and promoting infrastructure and environmental development are to be compiled.

The Friends' Association also founded the charitable Foundation for the Reconstruction of the Bauakademie (Academy of Architecture.)

OUTLOOK 2016: Reopening the Bauakademie (Academy of Architecture) on the 175th birthday of Karl Friedrich Schinkel on 9th October.

HONORARY MEMBERS OF THE FRIENDS' ASSOCIATION:

Dipl.-Ing. Hans-Joachim Arndt, Prof. Dr. Winfried Baer (deceased), Dipl.-Ing. Horst Draheim

COVER PICTURE:— Bauakademie / Kupfergraben: Gerhard Klein, 2005 – copy of painting by Karl Wilhelm Klose – 1840 –

PICTURE ON REVERSE: Portal façade, Bauakademie (Academy of Architecture); digital model of the Academy (section)

CONCEPT AND COMPILATION: Wolfgang Schoele

TRANSLATION: Ina Scholtissek **STAND** as of October 2013



Bauakademie (Academy of Architecture) and plaza Schinkelplatz (photograph 1888)

HISTORY AND USAGE OF THE BUILDING

Berlin used to be one of the beautiful European cities. The Brandenburg Gate opened the baroque axis *Unter* den Linden and, via the Forum Fridericianum, led to the City Palace. The buildings along the route, baroque to neo-classicist - the Berlin City Palace, Armoury and Cathedral – offered a fantastic urban composition, which, essentially, has been perfected by Karl Friedrich Schinkel's New Guard House (Neue Wache), Old Museum (Altes Museum), Palace Bridge (Schlossbrücke), Friedrichswerder Church and the Academy of Architecture (Bauakademie). The Academy building formed the apex of Schinkel's urbanistic concept for the western Spree Island, an urban landscape realized by means of cubic elements and derived from a landscape garden. Schinkel's Bauakademie (Academy of Architecture) is one of the most prominent buildings of German architecture at the threshold of modernity in the 19th century.

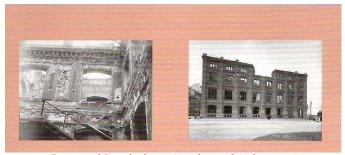
The Bauakademie (Academy of Architecture) was erected according to plans of Schinkel as Prussia's first secular brick building on the site of Alter Packhof on the western arm of the river Spree. Inspired by English factory buildings of the early 19th century the particular construction and building technique (serial construction) of the Academy as the first architecturally significant industrial building in Germany was trend-setting for modern architecture. The building generated the type of multi-storey factory building (e.g. Hackesche Höfe in Berlin).

The building was structured by eight window axes, four storeys and two portals on the northern side. The wall pillars connecting all storeys were interspersed with wide tripartite windows. Individual storeys were contrasted by cornices. Glazed brick belts structured and quickened the raw walls of the building clad in the finest bricks. The images on the terracotta relief plates inserted in the window parapets – "Moments from the History of Architecture" (Schinkel) were, with the exception of the portals, the same on all four sides of the building.

In 1799 already the institution "Academy of Architecture for all Royal Provinces" was founded to serve as Prussia's central educational establishment for architects and construction engineers initiating the tradition of formal education. Among the most famous students of the Academy of Architecture were Karl Friedrich Schinkel (1781-1841) and Leo von Klenze (1784-1864) and also Friedrich Ludwig Persius, Friedrich August Stüler, Johann Heinrich Strack, Johann Heinrich Friedrich Adler, Ludwig Hoffmann (Municipal Town Planner) and many others.

On 1st April 1836 the Academy of Architecture moved into the building designed by Schinkel at Kupfergraben opposite the Berlin City Palace. The Prussian Construction Commission headed by Schinkel was also housed in the building.

In 1879 the Bauakademie (Academy of Architecture) moved out of the building due to strong increases in the number of students and, together with the Commercial Institute, formed the Royal Technical College of Berlin in Charlottenburg (today, Technical University of Berlin). The building was used variously until 1945, for instance by the Royal Prussian Institute for the Photographic Surveyance of Buildings (1885-1933), the Friedrich Wilhelm University and for collections of the National Gallery.



Destroyed Bauakademie (Academy of Architecture)

In the course of the Second World War the building was heavily damaged. The Bauakademie (Academy of Architecture) was partially reconstructed in the 1950s, but plans were abandoned and replaced with those of the GDR for the new Berlin centre with government buildings in 1962. The site of the former Bauakademie (Academy of Architecture) and the plaza Schinkelplatz housed the GDR's Ministry of Foreign Affairs until 1996.

FRIENDS' ASSOCIATION BAUAKADEMIE

Since its foundation in 1994, the Friends' Association has been promoting the reconstruction of the prominent but vanished building of the Bauakademie (Academy of Architecture) as an individual and urban monument. The reconstruction of the Academy building opposite the future Humboldt Forum within the Berlin City Palace to be reconstructed is one of the most important reconstruction projects in Germany at one of Berlin's most urban locations. Moreover, the reconstruction would serve documenting the historic past, thus following the citizens' clearly perceptible desire for identification with the city's traditionally established urban character.

The Friends' Association Bauakademie also strives to reestablish the institution that lent its name to the building.

The Friends' Association also publishes printed materials, organizes exhibitions (exhibition en miniature) and events and

instructs workshops. Plans for a reconstruction and use concepts have also been published.

At the International Real Estate Fair in Cannes in March **2001** already the Association's working committee "Use and Financing of the Academy of Architecture to be reerected" introduced its plans for the reconstruction of the Academy building and its use to the public. As yet it has neither been possible to realize the plans for the reconstruction nor any other projects. The Berlin Senate, however, expresses an interest in the reconstruction of the Bauakademie (Academy of Architecture).

EXHIBITIONS EN MINIATURE

The exhibition includes information panels offering facts about the Bauakademie - Academy of Architecture - (institution and use, construction history, reconstruction), architectural models of the building and the model façade, posters as well as plaster replicas of the terracotta-reliefs as examples of the building's architectural decoration.



Exhibition en Miniature" at ZLB state library (autumn 2008)

STONE AND TERRACOTTA ADOPTION

Stone and terracotta adoptions are used to collect donations for the future and true-to-the-original reconstruction of the façades of the Academy building. Donations are based on different mould stones (rosette stone, normal stones, cornice stones and relief stones), ornamental plates and terracotta-relief's and range between EUR 25 and EUR 15,000. By means of the "Digital Model" it will in future be possible to state and deposit the names of the donators of particular relief plates (possibly also in the reconstructed building). Further information may be obtained from the separate brochure "Stone and Terracotta Adoption" (see also Model Façade).







Relief plates from the right-hand portal of the Academy of Architecture

Left: "Girl with torch and globe",
Centre: "Girl with two globes riding a panther",
Right: "Boy with harp and eagle"

"DIGITAL MODEL" OF THE BAUAKADEMIE (ACADEMY OF ARCHITECTURE)



"Digital Model" North Façade

The project "Digital Model of the Academy's Historical Façades" by the Friends' Association was conducted in the context of an annual seminar paper. The project participants, Mr David Bornemann (TU Berlin) and Mr Thomas Rox (Rhineland Friedrich Wilhelms University, Bonn), were advised by members of the association. A virtual model of the inner city was provided by the Senate Department for Urban Development. Technical documentation was made available by the architectural practice Jaeger (Wesel).

In 2009, Dipl.-Ing. Bornemann and Dipl.-Ing. Rox received the sponsorship award of the Karl-Friedrich-Schinkel-Association of Neuruppin for their extensive, demonstrative and commendable work.

WORKING GROUP USE AND FINANCING

Under the direction of the Friends' Association the working group Use and Financing took up work in October 1999. The working group brings together representatives from Berlin universities, a bank, a project developer, an audit and accountancy firm and the association Agenda 4. The group's results were published (amongst others, at the international real estate fair at Cannes, 2001, the exhibitions en miniature and in the internet) and are continuously updated.

In 2007 the working group, in cooperation with representatives from the Berlin universities and universities of applied science as well as architects, engineers and construction associations, organized symposia discussing the reconstruction and the future use of the Bauakademie (Academy of Architecture). The results of these symposia support suggestions regarding the reconstruction and use of the Bauakademie/Academy of Architecture put forward by the Friends' Association and include the re-establishment of the Bauakademie (Academy of Architecture) as an institution.

THE FOUNDATION FOR THE RECONSTRUCTION OF THE BAUAKADEMIE (ACADEMY OF ARCHITECTURE)

In 2011 the Friends' Association Bauakademie founded the legally dependent, non-profit making "Foundation for the Reconstruction of the Bauakademie (Academy of Architecture)". The first section of the two-part charter relates to the reconstruction of the Academy building and its future use (International Centre for the Responsible Design of Living Space). The second section deals with the operating costs.

The starting capital of the Foundation for the Reconstruction of the Bauakademie (Academy of Architecture) is EUR 100,000 and is raised successively. If the reconstruction of the building were to be financed exclusively by the foundation's own resources and without using external funds the foundation's assets would need to be increased by means of additional donations of up to approx. EUR 48m. The amount of further donations required to co-finance the future running costs of the building depends on the institution's future scope of tasks.

Sponsors / Donators

Interested persons may either participate in the activities of the Foundation for the Reconstruction of the Bauakademie (Academy of Architecture) as sponsors (endowment contribution) or support the foundation's work with donations. The fiscal implications are identical for either participation or support. It is recommendable to consult with a tax advisor before making particularly large endowments – endowment contributions – as the scope of fiscal options in this case is quite broad. Further information is available from the Friends' Association Bauakademie or the Foundation for the Reconstruction of the Bauakademie (Academy of Architecture).

FURTHER ACTIVITIES

MODEL FAÇADE

From 2001 to 2004 the model façade (idea, project development, outline planning 1992 to 1999: Dipl.-Ing. Horst Draheim) was erected in the context of an applied instruction building site run by an educational society for building techniques. It is, to the greatest possible extent, a true-to-the-original replica of the north-eastern corner of the Academy building. Well-known sculptors such as Eva Anderson, Marguerite Blume-Cárdenas, Heiko Gomille, Sabine Heller, Sigrid Herdam, Andreas A. Hoferick, Karl-G. Möpert, Rainer Muhrbeck) participated in the reproduction of the mould stones and terracotta.

In 2004 the model façade was integrated into the "representative façade" – a temporary representation of the Academy building using scaffolds and printed plastic sheeting – created by the Association *Internationale Bauakademie Berlin*. The construction of the representative façade was supported by an expert team including architects, art historians and monument conservationists. The team ensured the representations to achieve highest quality to the minutest detail to conform to the generally required standards of the Office for the Preservation of Monuments. Hence, the model façade is to be integrated into the building to be reconstructed.



Representative and model façades (left in the photograph) Photograph: Wolfgang Schoele (2012)

The education society was winner in the category "Most Extraordinary Construction Work in Berlin / Brandenburg" in 1999. For his efforts for the model façade Mr Draheim was decorated with the Federal Cross of Merit on Ribbon.

MASTER THESIS AT TU BERLIN

In 2004, Dipl.-Ing. Anke Horstmann and Dipl.-Ing. Ralf Hollang prepared a use and feasibility study for the reconstruction of Schinkel's Bauakademie (Academy of Architecture) in the scope of the postgraduate study course "Real Estate Management" of Technical University of Berlin and as part of their Master thesis. The results of their work were updated in 2009.

MASTER SEMESTER AT BEUTH UNIVERSITY OF APPLIED SCIENCE

In the summer semester 2011 the Master's degree course of the Faculty of Architecture and Building Technology of Beuth University of Applied Sciences identified the investment costs necessary for the reconstruction of the academy building on basis of the original building planning by Schinkel as well as adapted planning for the anticipated mixed future use including premises for retail and representation on the ground floor and rooms to be used for seminars and exhibitions on the upper floors.

USE / RE-ESTABLISHMENT OF THE INSTITUTION BAUAKADEMIE (ACADEMY OF ARCHITECTURE) IN THE SCHINKEL FORUM

The Bauakademie (Academy of Architecture) is to be reconstructed as an example of sustainable construction using ecological, environmentally compatible building substances adhering to the specifications for listed buildings.

Analogous to the time when the Academy was originally established it is to serve as globally unique Forum for Sustainable Building (Schinkel Forum). Plans for the re-establishment of the Bauakademie as an institution envisage an international, innovation-oriented place for collaboration of globally leading institutions for building science contributing to the development of the city of Berlin as centre of German research policy. The new Bauakademie (Academy of Architecture) is to become an institution facilitating interdisciplinary collaboration in order to develop sustainable solutions and contributions for controlling climate change, shaping the energy turnaround and furthering infrastructure and environmental development. The Academy is to progressively form an international research alliance for building culture, which, at the same time, assumes responsibility for the continuing education of young academics.

For further details please refer to the statement (thesis paper) of the Foundation for the re-establishment of the Bauakademie (Academy of Architecture.)



Motif Bauakademie (Academy of Architecture) from the CD of the Friends' Association, RKW Rhode Kellermann Wawrowsky Architektur + Städtebau

RECONSTRUCTION OF THE ACADEMY BUILDING (HISTORIC FAÇADES AND INTERIOR)

The realization of the project Model Façade illustrates in an exemplary manner that the reconstruction of the historic façades of the Bauakademie (Academy of Architecture) is indeed possible in the required quality. Interestingly, the original façade, bar some minor exceptions, remained unchanged in the course of time.

The building is to be used by the Academy to be re-established as well as further scientific and cultural institutions as an internationally oriented place for the transfer and exchange of knowledge in the interdisciplinary fields of building and construction in the form of an

International Centre for Innovation, Events, Exhibitions and Conferences (Schinkel Forum.)

To realize this, the following rooms and premises are deemed necessary:

- Central multi-functional hall separable into several smaller rooms.
- Lecture hall and seminar rooms as well as offices and rooms for exhibitions.
- ➤ On the ground floor as already realized by Schinkel himself shops (boutiques). Further planned are premises for cafés and restaurants.

On the upper floor, room for archives could be provided and, if necessary, small flats or apartments.

INTERIOR WORK

A restoration of most of the former interior spaces is presumably not possible as, in the past the rooms were altered for and by former occupants. Richard Lucae, for instance, erected a staircase for new improvements in the atrium in 1879. An evaluation is now deemed necessary as to whether a number of rooms (and which) should be selected for a true-to-the-original design.

The inner support structure of the building to be reconstructed needs to assimilate the grid spacing of the façade as used by Schinkel and also needs to consider original storey heights. However, due to functional constraints of the projected use variants the reconstruction of the inner support structure necessitates modern adjustments. Supporting grid and construction will most likely correspond to current construction methods.

The Bauakademie (Academy of Architecture) has a floor plan of approx. 46 x 46 metres and a gross floor area of approx. 2,000 m². The storey height is between 4 and 6 metres.

To begin with, the reconstruction will include the ground floor and three upper storeys. Despite the inclusion of the base of the former foundations of the Academy as a building monument into the elevated basement (it was 1.5 metres above level and also used to have windows) it may be used 'normally'. Dependent on planning there would be an available gross floor space of between approx. $8,500 \, \text{m}^2$ and $10,600 \, \text{m}^2$.

EXAMPLES OF UTILIZATION / GROSS FLOOR SPACE M2

\triangleright	Event hall / auditorium for approx. 400 per-	
	sons (partition walls, modifiable telefloor):	850
	Exhibit hall with lobby and foyer areas:	3,500
\triangleright	Exhibition space in atrium:	400
	Seminar/conference rooms:	900
\triangleright	Gastronomy and retail:	1,125
\triangleright	Offices:	2,100
	Archive/collections:	1,800
		10,675

Following Schinkel's death a museum was established in his former apartment in the Academy building. This use could be continued in order to recognize a brilliant artist, architect, teacher and representative of the building authority.

CONSTRUCTION COSTS (INCL. VAT)

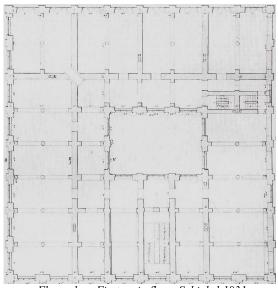
	Column 1	Column 2	Column 3
		DIN 276	Mio. Euro
\triangleright	Preparing the site:	200	2,50
	Construction (building):	300	25,50
	Technical equipment and		
	machines	400	7,00
\triangleright	Fittings, interior:	600	2,50
	Ancillary construction		
	costs:	700	7,20
	Miscellaneous:		0,30
	Unexpected items:		3,00
			48,00

It is to be determined, which grants could be used to cofinance construction costs.

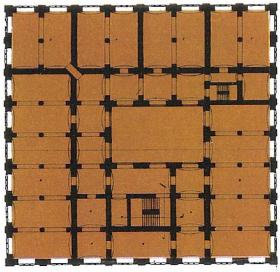
Foray: In 2011 the Senate Department for Urban Development commissioned an Expert's Opinion on the Economic Feasibility of the Bauakademie (Academy of Architecture). The administration office did not publish the study's results.

FINANCING AND APPROACHES TO	Million.
ECONOMIC FEASIBILITY	Euro
	(approx.)
Construction costs – excl. property and	
financing costs, incl. VAT:	48,00
Revenue p.a. incl. VAT:	1,55
Annual underfunding:	1,60

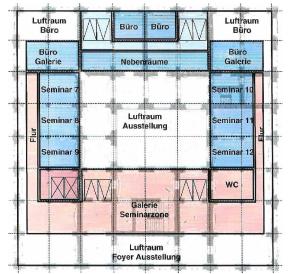
Revenue as generated by the Foundation for the Reconstruction of the Bauakademie/Academy of Architecture (see 2nd paragraph of the statute) is to be used to offset underfunding resulting from the future operation of the building and the institution.



Floor plan: First main floor, Schinkel 1831 (SMB Preußischer Kulturbesitz)



First storey, draft: Dipl.-Ing. Horst Draheim (Poster floor plan 1999 – section -) In: Allgemeine Bauzeitung, Vienna 1836



Building utilization study (1st. Floor) by Drees & Sommer Projektmanagement GmbH

WHAT YOU CAN DO TO HELP

There are various options to contribute to the reconstruction of Schinkel's Bauakademie (Academy of Architecture). You may become a member of the Friends' Association or help with a one-off or a regular donation. Upon request, you will immediately receive a donation receipt for your individual donation or your annual contributions.

In the context of the "Stone and Terracotta Adoption" you may make donations for form stones (rosette, normal, cornice or relief), ornamental plates and terracotta reliefs and thus support the future reconstruction of the façade true to the original. Purchase prices range from 25 to 15,000 Euro.

	I / we herewith declare my / our joining the Friends'			
	Association Bauakademie. The annual membership fee			
	(please see below) will be transferred to account num-			
	ber 124912700 of Deutsche Bank AG, sort code			
	10070000.			
	Please inform me/us about the stone and			
	terracotta adoption.			
	I / we would like to contribute to the work of the			
	Foundation for the Reconstruction of the Bauakademie			
	(Academy of Architecture). My / our contributions will			
	be transferred to the appropriate account.			
	I / we would like to support the Association with			
	donations.			
Eur	EURO NON- ONCE A YEAR			
	RECURRING			
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E-MAIL / TELEPHONE / FAX				
DAT	E AND SIGNATURE			
DAI	DATE AND GIONATURE			

MEMBERSHIP CONTRIBUTIONS IN EURO (ANNUAL CONTRIBUTIONS)

(ANNUAL CONTRIBUTIONS)			
A.	For one person:	30	
В.	Spouses / couples:	50	
C.	Legal entities:	500	

New members are asked to transfer their membership contribution within the quarter of joining the association/foundation; members are to transfer their contribution within the first quarter of the year.

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BIC: DEUTDEBB, IBAN: DE09 1007 0000 0124 9127 00

S: Association for the Reconstruction of the Academy of Architecture

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