RECONSTRUCTION AND UTILIZATION OF SCHINKEL’S BAUAKADEMIE
(IN 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)
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

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.

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 BAUKADEMIE**

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 re-establish 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 re-erected” 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.

**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).
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 Facade**

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. Hofe- rick, 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.

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.
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 BAUKADEMIE (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.)

**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 m² and 10,600 m².

Motif Bauakademie (Academy of Architecture) from the CD of the Friends’ Association, RKW Rhode Kellermann Wawrowsky Architektur + Städtebau
EXAMPLES OF UTILIZATION / GROSS FLOOR SPACE m²

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

Total: 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)

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 2 DIN 276</th>
<th>Column 3 Mio. Euro</th>
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<tbody>
<tr>
<td>Preparing the site:</td>
<td>200</td>
<td>2,50</td>
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<tr>
<td>Construction (building):</td>
<td>300</td>
<td>25,50</td>
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<tr>
<td>Technical equipment and machines:</td>
<td>400</td>
<td>7,00</td>
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<tr>
<td>Fittings, interior:</td>
<td>600</td>
<td>2,50</td>
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<tr>
<td>Ancillary construction costs:</td>
<td>700</td>
<td>7,20</td>
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<tr>
<td>Miscellaneous:</td>
<td>700</td>
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<tr>
<td>Unexpected items:</td>
<td>3,00</td>
<td>48,00</td>
</tr>
</tbody>
</table>

It is to be determined, which grants could be used to co-finance construction costs.


FINANCING AND APPROACHES TO ECONOMIC FEASIBILITY

| 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.
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 number 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.

| EURO | NON-RECURRING | ONCE A YEAR |

NAME / FIRST NAMES

STREET, NO. POSTCODE AND CITY

e-mail / TELEPHONE / FAX

DATE AND SIGNATURE

MEMBERSHIP CONTRIBUTIONS IN EURO

(ANNUAL CONTRIBUTIONS)

A. For one person: 30
B. 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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ADDRESSES AND BANK ACCOUNT DATA

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