

CATALOGUE

PRAGUE STREET FURNITURE



COMPETITION
2017

Prague Institute of planning and Development

PRAHA
PRA
GUE
PRA
GA
PRA
G

IPR
PRAHA



CONTENT

- 2 – Introductory Words / Jury Awards**
- 4 – Preamble**
- 8 – Competition terms and conditions**
- 10 – Jury evaluation**
- 11 – Awarded competition entries [ROUND II.]**
- 28 – [ROUND I.]**

INTRODUCTORY WORDS / JURY AWARDS

ADRIANA KRNÁČOVÁ “I’m pleased that the best design was chosen, a design that the entire jury agreed on. We will thereby contribute to unifying the disparate public space.”

JIŘÍ PELCL “Just as the furniture in our homes says a lot about us, street furniture says something about our city: about the hominess and habitability of our streets and public space; and about the cleanliness and culture of our urban environment. I was therefore very pleased that Prague announced an international design competition on this topic. The results ultimately fulfilled expectations, although I expected a greater number of leading Czech designers to take part in the competition.”

ADAM HALÍŘ “I accepted membership in the jury mainly because of curiosity. I am well acquainted with architecture competitions both as a competitor and juror, and I believe that it is the only reasonable way to find an architect for a public investment. I was waiting in anticipation to see whether it was possible in the same way to choose the best design, which, moreover, will be mass produced over the long-term as a public contract.

The competition was conducted highly professionally by the organisers, also, I believe, thanks to inspiration from similar competitions abroad. As jurors we could therefore truly focus just on the job of choosing the best furniture. Personally, I most appreciated the second round, i.e., the evaluation of the prototypes, as this revealed the strengths and weaknesses of the designs and clearly revealed the winner.

Despite initial uncertainty, I am confident that a design competition is the right way to procure “Prague street furniture”. Prague now has a design for an excellent set of street furniture, and I believe the good design will be worth its while.”

CLAUDE BRULHART “I would like to congratulate the Prague city administration for organising this competition for street furniture at a such a high level. Street furniture is so important for public space to be welcoming and comfortable. The competition produced first class designs, both in terms of aesthetics and in terms of originality and suitability of the technical design.

The competition demonstrates the dynamism and creativity of Czech designers and architects and the administration’s faith in our profession. The elegance of the winning design will surely be an excellent addition to all public space in Prague. At the same time, it will contribute to its unique and unified character.”

EVA EISLER “I greatly appreciate the opportunity to take part in the tender for the winning design in the competition for new street furniture. The two-round competition was conducted absolutely professionally and consistently by the organisational team in cooperation with the members of the jury and city representatives. The unanimously chosen winning design contains all the required parameters for long-term use and refinement of public space in the historical part of Prague and its environs. Aesthetically, the design is elegant and sophisticated while seemingly referring to classic forms, and it is timeless in its technical design and detail. Thank you, Prague, for giving us something to look forward to. I would like to congratulate the winners and am crossing my fingers that everything will go smoothly with the demanding manufacturing process.”

MATĚJ CHABERA “IPR plans and announces competitions diligently. It assembles juries comprising Czech and international experts from many fields, thereby giving Prague a chance to have good projects.”



PREAMBLE

"Street fixtures are the furnishings of the city's "living room". Their basic role is to create object-oriented facilities for full-fledged use of public spaces in the city. Current problems associated with street furnishings' management fragmentation, which is often compounded by the very lack of such maintenance however lead to their rapid degradation. Poor selection and arrangement of large quantities of heterogeneous pieces of street furniture dissuades people from spending time in public places and restricts the very potential for its enjoinderment.

The Capital city of Prague realizes the importance of high-quality street furnishings in public spaces. Its aim is to remove the visual smog caused by excessive diversity of elements and to acquire a uniform set of street furniture that will strengthen and support the identity of the Prague's environment and its distinctive ambience.

Based on an Analysis of the current state of Prague's street furniture (see document 'PO2' of these terms) prepared by the Prague Institute of Planning and Development (IPR Prague), we have defined types of furnishings showing the greatest insufficiencies and which would need to be gradually replaced with the newly tendered elements. The Analysis also serves as a basis for the so-called Catalogue of Standard Prague Street Furniture, which primarily aims to unify and eliminate the number of individual types and classify the commonly used elements. The Catalogue should take account of the entire

range of typical Prague elements, whether original or selected through the present competition, from which we will be able to choose when replacing obsolete street furniture. The existence of the Catalogue does not exclude the possibility of designing or placing specific elements and types of furniture in important or specific public spaces when these will be forming a part of comprehensive concepts for such spaces. The Catalogue is the first step in transforming the capital's approach to street furnishings to be accompanied by appropriate systemic changes at the public space management level. The newly designed standard elements of municipal street furniture should reflect the fact that they will be placed in public spaces of various types within the city, whether in the historic core, inner compact city or in other locations. Each component should be able to stand independently and in context of other proposed elements, the emphasis shall be placed on their kinship by design. This new furniture should be representative of the status of the Capital City of Prague, it should meet contemporary requirements, and allow use of currently used technologies while facilitating its very maintenance and management. Investment channelled into the mass production of designed furniture should be commensurate with the fact that these are the standard elements that will gradually replace conventional street equipment. In addition to a representative design, the proposals should take into account the practical, functional and economic aspects.



- A man with a beard and glasses, wearing a dark suit and white shirt, stands on the left, holding a white paper cup. A woman with blonde hair and glasses, wearing a dark blazer over a dark top, stands next to him, gesturing with her hands as if speaking. A man with a shaved head and a beard, wearing a grey t-shirt and dark pants, stands behind them, looking down at something. On the right, a man with grey hair and a mustache, wearing a dark blazer over a black t-shirt and dark pants, stands with his hands in his pockets, also holding a white paper cup. In the foreground, a man with short brown hair and glasses, wearing a dark long-sleeved shirt and dark pants, is crouching down, also holding a white paper cup. The floor is a light-colored carpet, and the background features large windows and a white wall.

COMPETITION TERMS AND CONDITIONS

The object of the present competition is to design a set of Prague street furniture, specifically a bench, a litter bin and a bicycle rack. Each proposed component should be able to stand independently as well as in a group with other elements. The emphasis should be placed on the kinship of design between individual elements, their representative function and their easy maintenance and management. The elements should be based on and reflect the unique Prague environment, its character and history.

- The individual elements should appropriately complete the visual character of public spaces and adequately complement them. The furniture should be sufficiently representative for the important as well as for common public spaces. The elements will be placed both in street locations as well as in parks and squares in the historic as well as broader centre of Prague.
- We anticipate that these elements will provide an added value to spaces where they will be placed.
- The elements should blend a quality design concept while preserving user friendliness.
- The following elements are specifically required: A bench with backrest (possible to design with hand rests), and a branch without a backrest, Capacitive standalone litter bin; Post mounted litter bin, A bicycle rack.



CONTRACTING AUTHORITY

The Capital City of Prague

AUTHORIZED REPRESENTATIVE OF THE CONTRACTING AUTHORITY

Prague Institute of Planning and Development

COMPETITION ORGANIZER AND AUTHOR**OF THE COMPETITION TERMS AND CONDITIONS**

Prague Institute of Planning and Development

THE COMPETITION IS ANNOUNCED AS

a design competition, an open competition, a two-round competition, an international competition.

CONTENT OF THE COMPETITION

Round I of the competition will be looking for an ideal concept and design of the subject of the competition. Emphasis must be primarily placed on the kinship of design between all individual elements, their representative function, safety and respect for standard ergonomic standards. Round II of the competition will lie in taking the proposal(s) selected in Round I on the basis of jury's recommendations into the prototype stage and with these prototypes being produced and tested in actual public spaces. The emphasis here will be placed on developing and completing the proposed concept(s), working out details, ascertaining easy maintenance, production and installation costs.

ANNOUNCEMENT METHOD

The competition will be announced by publication at the contracting authority's profile at www.egordion.cz. Competition information shall be also published: at the contracting authority's website www.prague.eu, in the public procurement bulleting, in the European Journal of Public Procurements, at the

competition organizer's website, where the documentation and competition terms and conditions are also available – www.iprpraha.cz/ mobilair, in a press release to the media.

TERMS

Competition announcement date: 30 September 2016

Submission of design proposals in the Round I:

20 December 2016

Submission of designs in Round II: 27 June 2017

COMPETITION JURY**Members of the jury – independent**

CLAUDE BRULHART / designer for the city of Geneva for street furniture and public spaces

JIŘÍ PELCL / designer

EVA EISLER / designer

PETR HÁJEK / architect

Members of the jury – non-independent

ADRIANA KRNÁČOVÁ / mayor of the city of Prague

JIŘÍ SKALICKÝ / director of the historical preservation association of Prague

PAVLA MELKOVÁ / director of the city details section, IPR Prague

Alternate jurors – independent

MATĚJ CHABERA / designer

ADAM HALÍŘ / architect

Alternate jurors – non-independent

MAREK KOPEČ / director of the Projects Office of IPR Prague

PETRA KOLÍNSKÁ / vice-mayor, Prague's councillor for territorial development

Invited expert jurors

JIŘÍ KOLÍSKO / director of Klokner Institute at the Czech Technical University in Prague

Other invited members include representatives from the National Heritage Institute and the City Hall of Prague – Department for Municipal Property Records, Management and Use.

PRIZES

1st prize shall amount to 120,000 CZK

2nd prize shall amount to 80,000 CZK

3rd prize shall amount to 40,000 CZK

Each participant who advanced to the second round and submits a design proposal and prototypes meeting the competition conditions, shall receive a fixed compensation for costs in the amount of 80,000 CZK excl. VAT in the form of sketch fees.

Each participant who advanced to the second round and submits a design proposal and prototypes meeting the competition conditions, shall receive a fixed compensation for producing the prototypes in the amount of 280,000 CZK excl. VAT.

The total amount designated for prizes and compensation for production of prototypes shall be: 1,360,000 CZK excl. VAT.

Participant in the competition who will be invited, within the framework of the public tender following this competition, to conclude a contract for work to execute the subsequent stages of documentation, will commit therein to grant temporally and geographically unlimited exclusive license for the use the work to the contracting authority according to § 12 of Act No. 121/2000 Coll., on Copyright and Rights Related to Copyright (the Copyright Act), as amended. The price for the license and activities to be provided by such participant shall be set forth in the contract for work.

DESIGN REQUIREMENTS FOR ROUND I.

The graphical part of the proposal

- sketch of the elements (bench with backrest, capacitive standalone litter bin, post mounted litter bin incl. the post and the bicycle rack) into two prescribed photographs
- visualization or axonometric demonstration of the entire set of street furniture
- shall provide graphics of the bench design (with and without backrest), including hand rest solutions
- shall provide graphics of the capacitive standalone litter bin, post mounted litter bin incl. the post and the bicycle rack design.
- horizontal projection (drawings, cross-sections, perspective in scale 1:5 showing basic dimensions)
- axonometric projection / visualization
- construction details or their parts in 1:1 scale
- specifications for construction requirements and list of materials used (type, dimensions, quantity)
- sketches and element schematics, assembly schematics

The text of the proposal

- text description of the entire concept and the individual parts of the set – incl. justification of the solution, choice of materials, description of construction solution
- the text of the proposal may also include other information and technical specifications of the proposal, whether in the form of text, sketches or schematics explaining solution, its principles, technical details

Model

- street bench with a backrest, capacitive standalone litter bin, post mounted litter bin and its post and a bike rack in a scale of 1:5 made of any kind of material.

DESIGN REQUIREMENTS FOR ROUND II.

Prototypes

- 4 prototypes of street furniture at a scale of 1:1 (bench with backrest and no hand rests, standalone litter bin, post-mounted litter bin and bicycle rack)

Graphics part

- Complete drawing for production at a scale of 1:1, with an emphasis on construction details

Text part

- annotation of design
- technical report including description of the concept, anticipated production technology, list of materials and itemised budget for the production of 500 pieces, including assembly (a separate budget for each type)

Jury evaluation

Evaluation criteria for competition entries in Round I:

- Quality of design solution (the integrity of the solution, kinship of the design among all elements in the set and the context with the Prague environment were evaluated).
- Function (safety, high comfort of use, resistance to vandalism, sustainability of materials and maintenance demands were evaluated).
- Economy (adequate costs of production, suitability for mass production and adequacy of proposed solution were evaluated).

Evaluation criteria for competition entries in Round II:

- Quality of design solution (quality of the design details and the context with the Prague environment were evaluated).
- Function (stability and resistance against mechanical damage, function and manipulation with litter bins, comfort of use, sustainability of materials used, maintenance demands, overall condition of elements, and materials and surface treatment during testing outdoors were evaluated).
- Economy (demands on assembly and installation, suitability for mass production and adequacy of proposed solution were assessed).

AWARDED COMPETITION ENTRIES – ROUND II.

FIRST PRIZE

authors – ARTĚL, spol. s.r.o. – MICHAL FRONĚK, JAN NĚMEČEK
Cooperation – ALEŠ KACLÍK

AWARDED ENTRIES

SECOND PRIZE

authors – EDUARD HERRMANN, MATĚJ COUFAL
Cooperation – DAVID KARÁSEK

THIRD PRIZE

authors – DAVID KARÁSEK, DANIEL GOLÍK

AWARDED
COMPETITION
ENTRIES
[ROUND II.]

Froněk, Němeček

AUTHORS

ARTĚL, spol. s.r.o. –

MICHAL FRONĚK

JAN NĚMEČEK

COOPERATION

ALEŠ KACHLÍK

ANNOTATION OF DESIGN PROPOSAL

The form of the individual elements is intentionally not unified. They are visually linked, however, by material, construction and colour principles, which results in a compact, aesthetic appearance while having entirely different functions. Excessive adherence to formal unity results in more problems than benefits in real situations. In reality, the items function more in the context of other, already existing and, nevertheless, formally different elements.

The concept of the bench builds on the traditional, Czech, post-war, park type. Its evolution lead to more sophisticated construction, better materials and, above all, better ergonomics.

The litter bins build on the bench design through their frugality and intentionally uncertain period. The geometrically soft forms based on the circle and oval facilitate installation in various architectural contexts.

JURY'S EVALUATION

The jury appreciates the high quality of the design in all its aspects. The design is timeless: traditional while contemporary, clean in its lines, simple and refined both in its entirety and in its detail. The impression of the whole is subtle; at the same time, however, it is structurally stable.

The design solution is sophisticated and coherent. The set of elements is integral and supports Prague's objective to unify the elements of its street furniture. It complies with the Prague Public Space Design Manual. The set fits into the context of the Prague environment, both the historical and the present.

Regarding the bench design, the jury appreciates its good ergonomic design, simplicity in replacing of the wood elements and overall strength. The bench design concept contains several easily used options that allow the set of furniture to grow into the future. The litter bin design is the best of all the evaluated designs in terms of shape, materials and function.

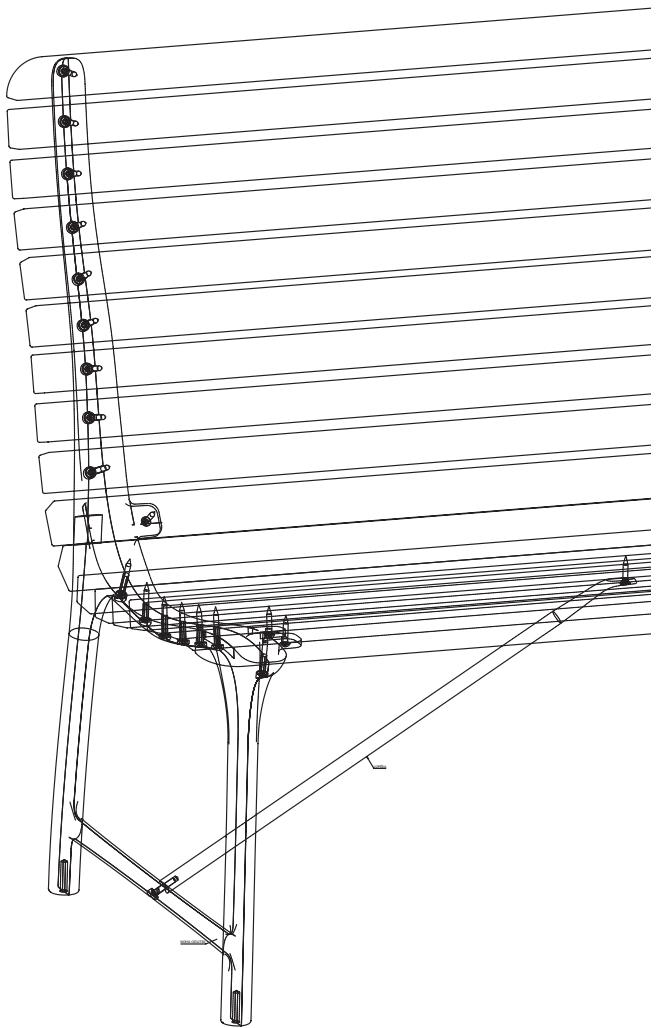
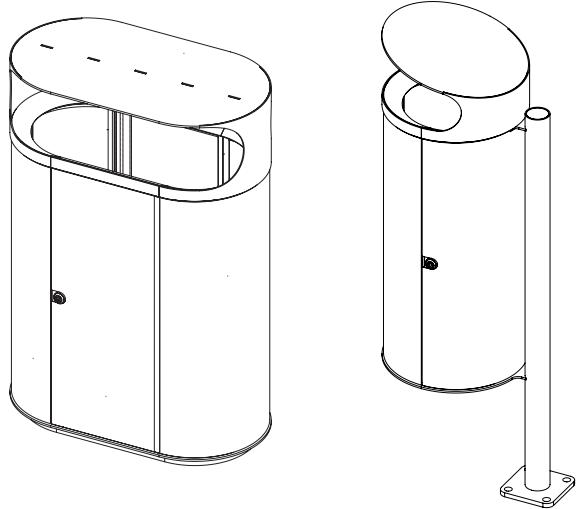
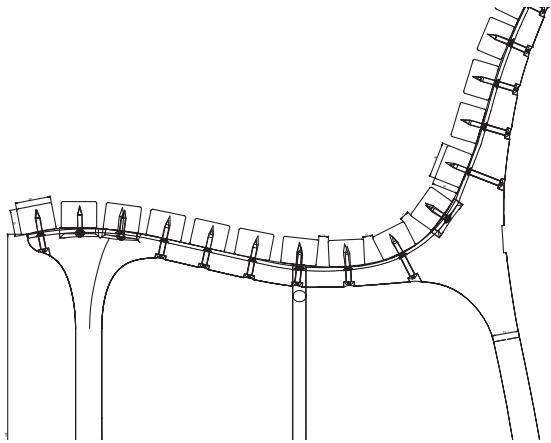
Based on the submitted documentation, the jury concludes that the set will be appropriate in terms of the aesthetic, functional, operational and economic parameters and best satisfy the contracting authority's expectations. The design is balanced in form and function.

Some minor construction elements will need to be optimised for the next prototypes and mass production.

WINNER







Herrmann, Coufal

AUTHORS

EDUARD HERRMANN

MATĚJ COUFAL

COOPERATION

DAVID KARÁSEK

ANNOTATION OF DESIGN PROPOSAL

The design unobtrusively fits into the environment of Prague and blends in with the diverse architecture. At first glance it feels conventional; upon closer inspection, however, the distinctive and elegant detail shines through. The technology used allows a novel form to be achieved. The alloy used on the bench and post builds on the tradition of cast iron, which communicates best with the environment of Prague. The cast iron is accompanied by cast concrete and plastic. The materials used complement each other. The furniture elements are designed to suit all location in Prague, whether historical or modern. They feel neither historical or too futuristic – they are timeless. In mass production, casting is more economical than conventional methods. With regard to forms, the greater the number of pieces produced, the lower the price.

JURY'S EVALUATION

The jury appreciates the sophistication of the design solution. The level of the design elements is good, but together they feel somewhat incongruous. This manifested, e.g., in the shape and material discordance. The litter bins are a weak point, as they feel heavy compared to the other elements, which are on a higher level.

The furniture set is more difficult to maintain and handle. The construction of backrest of the bench does not allow for the simple replacement of wooden elements. Another disadvantage of the construction design is particularly the lateral stability of the bench.

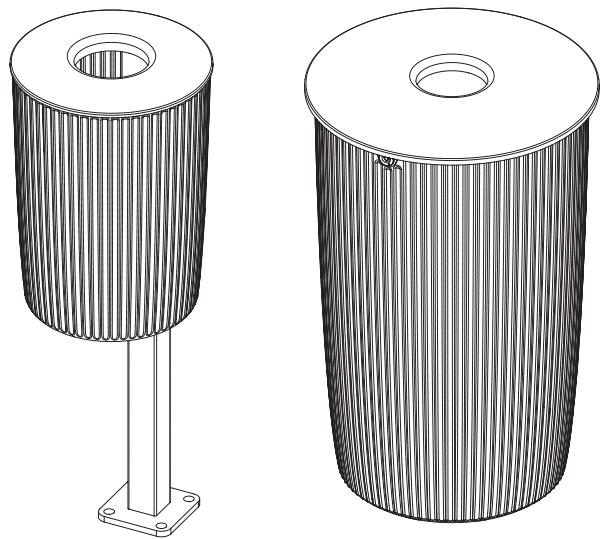
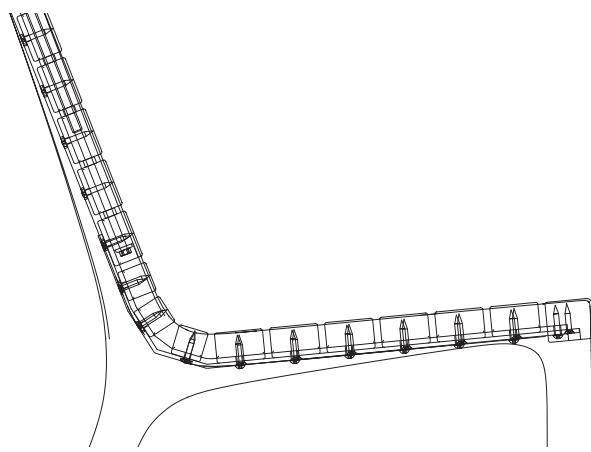
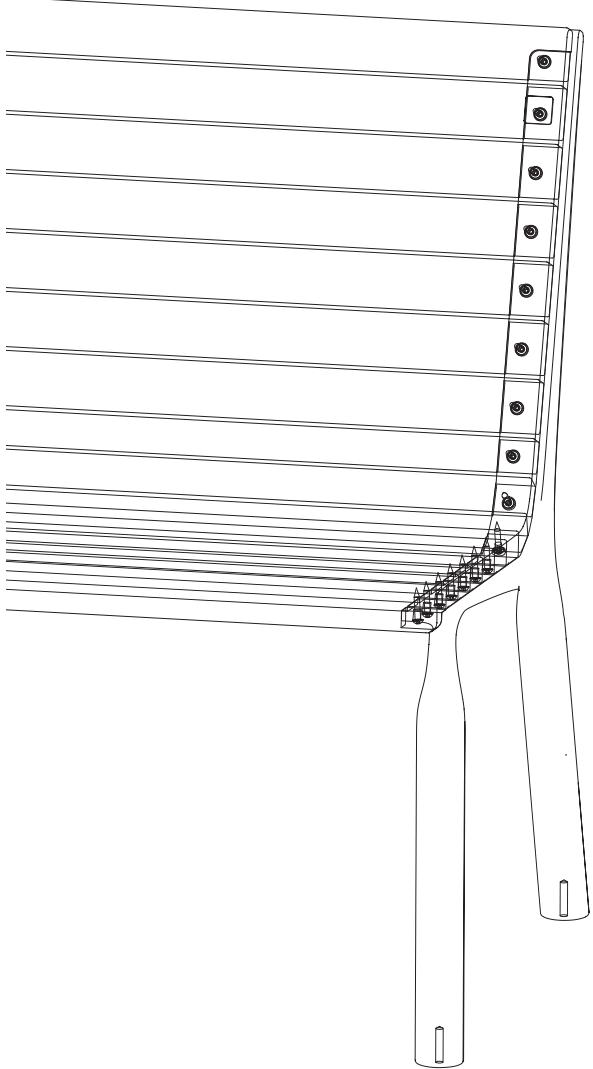
In the case of the high-capacity bin, the removal and handling of the inside container is difficult, as it has to be lifted all the way over the bin. The dimension of the opening is insufficient and is not protected from rain. The combination of materials and elements is debatable, e.g., the heavy concrete in contrast with the subtle lid. The water drainage does not work well.

In terms of maintenance, the operation of the furniture will be expensive, especially in case of repairs and replacement of individual parts.

2ND
PRIZE







Karásek, Golík

AUTHORS

DAVID KARÁSEK

DANIEL GOLÍK

ANNOTATION OF THE DESIGN PROPOSAL

Prague paving is a phenomenon. A right-angle grid, but not entirely. It is assembled from thousands of rounded blocks and was used as the design basis for the Square range of street furniture. Straight lines with rounded ends like the paving stones are the unifying motif for all elements. In the streets of Prague, they should look as natural as the paving. A bench that looks original, but made from absolutely ordinary, pre-made steel components that are strong and stable but without a single sharp edge.

A litter bin along whose body light bounces off softly from any angle. But it is no rolling stone: it has the stability of a paving stone.

The design of the bicycle racks is sophisticated with a soft geometrical shape reminiscent of rounded window frames and observes the form of the other elements.

JURY'S EVALUATION

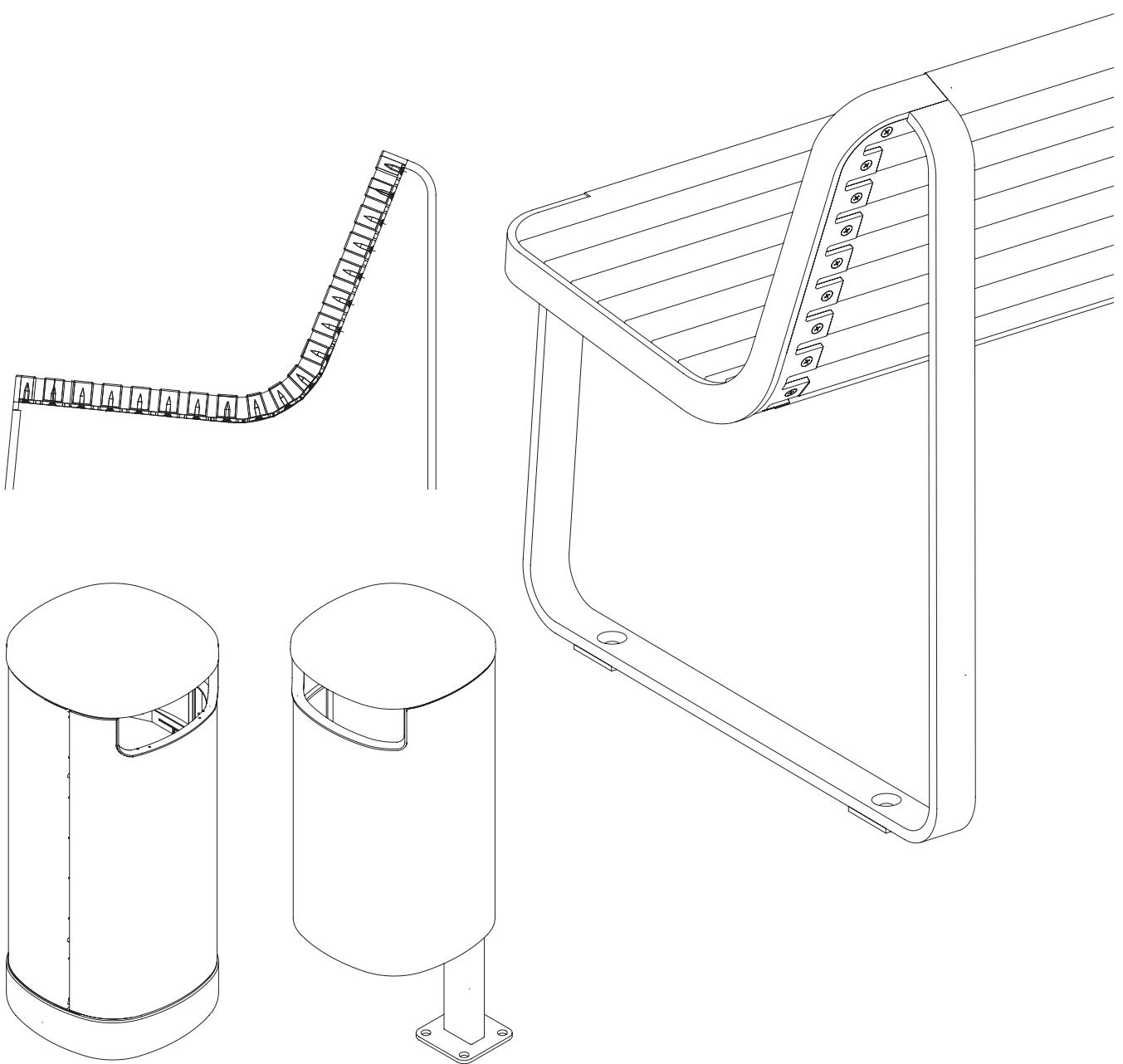
We appreciate the quality of the design and the wide range of options for each element. The design proposal does not, however, create a unified outdoor street furniture set. The prototypes confirmed that each element works with different profiles and materials that do not correspond to each other. The prototype of the bench did not demonstrate an improvement in the quality of the design and construction from that submitted in the first round.

Lengthwise the bench is not stable, which was verified by an endurance test. The litter bin mechanism is faulty and impractical. The handles are inappropriately positioned in the space for the waste. The dimension of the metal cover is insufficient, resulting in its deformation.

3RD
PRIZE







ROMAN VRTIŠKA, VLADIMÍR ŽÁK

SABINA ŽÁKOVÁ

JANA MERCOLIANO / Cooperation – VÁCLAV MINAŘÍK

LENKA DAVID, JIŘÍ MOJZÍŠ

MAREK PAVLÍK

EDUARD SEIBERT / Cooperation – JIŘÍ POKORNÝ, MIRKA BAKLÍKOVÁ

HANA HAVLOVÁ, KATEŘINA KOLKOVÁ

PETRA MLEJKOVÁ / Cooperation – MYO INTERIORS

JIŘÍ DOSTÁL / Cooperation – Arq. KAREN OLIVERA PEREZ

TOMÁŠ VÍCH, ZDENĚK SKÁLA

DAVID MATOUŠEK

**ARTĚL, spol. s.r.o. - MICHAL FRONĚK, JAN NĚMEČEK /
Cooperation – ALEŠ KACLÍK**

**EDUARD HERRMANN, MATĚJ COUFAL /
Cooperation – DAVID KARÁSEK**

DAVID KARÁSEK, DANIEL GOLÍK

**EDUARD HERRMANN, MATĚJ COUFAL /
Cooperation – DAVID KARÁSEK**

MAREK ŠESTÁK, ADAM ŠTOK, MICHAL SOJKA

DAVID KARÁSEK, VIKTOR ŠAŠINKA

KAREL ADAMEC, JAN FOLTÝNEK

Atelier MONarch, s.r.o. – MARCELA PLACHÁ /

Cooperation – JAN PLACHÝ

ANDREI FABISHEVSKII / Cooperation – ALEKSEY SHARSHAKOV

JAN BEK

FLORIAN ZWANGSLEITNER, CAROLIN DUMKE

MARTINA LOUDOVÁ / Cooperation – PAVEL LOUDA

JIŘÍ KREJČÍŘÍK, FILIP MIRBAUER

JAN PADRNOS, VIKTOR JINDRA

EP STUDIO – ŠTEPÁN BARTÁK, EVA ŠŤÁSKOVÁ, MAGDALENA BARTÁKOVÁ

KLÁRA HANÁKOVÁ, LENKA LIŠKOVÁ

MARIE BENDOVÁ

JAN HORA / Cooperation – BARBORA HORA

JAN RUFFER

[ROUND I.]

Vrtiška, Žák

AUTHORS

ROMAN VRTIŠKA

VLADIMÍR ŽÁK

ANNOTATION OF THE DESIGN PROPOSAL

The presented Prague street furniture design is the result of a long-term analysis of this topic based on everyday experience, the systematic study of the issues and a detailed study of the present conditions in the streets of Prague. Its refined, classical form bears traces of the current aesthetic approach with an appeal to neutrality of character and is specially tailored to current standards and manner of use.

The furniture reflects both history and the present. Aesthetically, it is not dominating; it is not trying to take the leading role in public space. Its main formal stylistic features are moderation and sophistication with an eye for functional detail and design.funkční detail a řešení.





Žáková

AUTHOR

SABINA ŽÁKOVÁ

ANNOTATION OF THE DESIGN PROPOSAL

"Street fixtures are the furnishings of the city's living room". This sentence partially inspired my design of the modular seating, which should evoke in people their homes and allow the outdoors to be comfortable.

Therefore, comfort, function and modularity have become the key words for the design of the street fixtures. It tried to have all the furniture types blend in with the various environments and build on them.

For this reason, I created street furniture elements that can be grouped together or used separately, which will allow the city to fulfil the needs stemming from the space of the capital city.

The street furniture is designed using a combination of concrete and metal.





Mercogliano

AUTHOR

JANA MERCOLIANO

COOPERATION

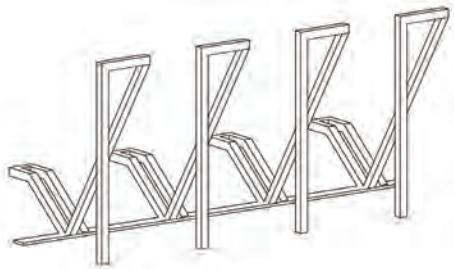
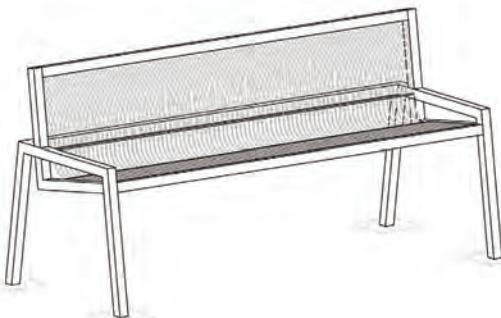
VÁCLAV MINAŘÍK

ANNOTATION OF THE DESIGN PROPOSAL

Prague is a record of a vast number of architectural styles, and each year it welcomes a great number of visitors. When designing street furniture for Prague, we kept in mind that the furniture would be situated in disparate public spaces. We gave preference to geometrical simplicity and airiness of materials. We looked for a solution that would not disturb the compatibility of the surroundings. We succeeded to a certain degree with the dominating

linear form, which matched the diverse mix of surrounding architectural styles. When choosing the final design, we focused on maximum comfort for end users, price and available production capabilities, timeless durability that feels light and ability to bend with the environment of Prague.





David, Mojžíš

AUTHORS

LENKA DAVID

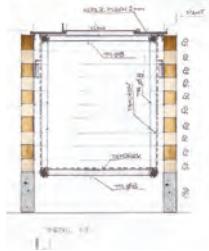
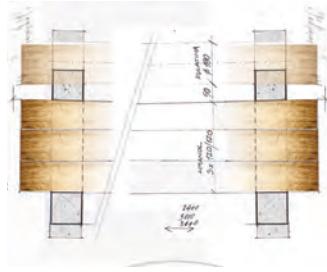
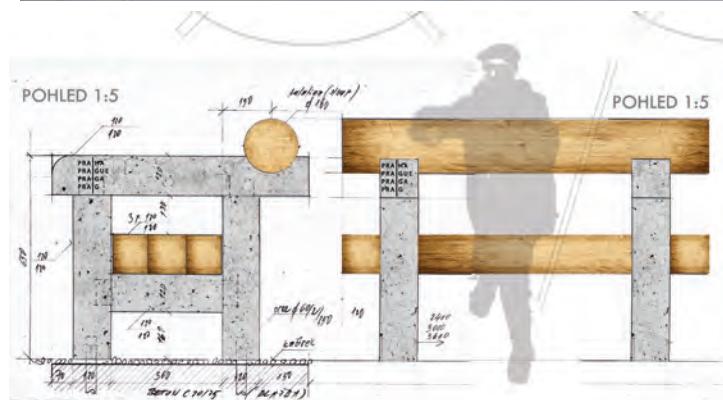
JIŘÍ MOJŽÍŠ

ANNOTATION OF THE DESIGN PROPOSAL

The design respects the character of public space in Prague. The massive profiles of the elements give the furniture a solid appearance that is timeless as Prague itself. The wooden boards will function for decades without detriment to function and aesthetics, and the concrete support even longer. The materials will be treated with a colourless varnish; natural aging is desirable, as sterility would attract vandalism. The concept places emphasis

on design variability – in terms of both size and material. In locations that require better quality of materials, the concrete can be replaced with stone blocks connected with bolts; in larger parks, the concrete can be replaced with wood. The furniture does not try to attract attention to itself: its purpose is to blend into the public space and serve people.





Pavlík

AUTHOR

MAREK PAVLÍK

ANNOTATION OF THE DESIGN PROPOSAL

The design objective was to create new street fixtures for Prague. The design aimed to create five shape-related elements with various functions that would fit unobtrusively into the streets of Prague. An important idea behind the design was the creation of fixtures with the same anchoring method and the use of at least one important shared identification element.

In my design I used an 8 x 100 mm stainless-steel beam as the support for

each element with a characteristic curve at the point where it bends and universal anchoring using a screw-bolt bearing the city of Prague logo.





Seibert

AUTHOR

EDUARD SEIBERT

COOPERATION

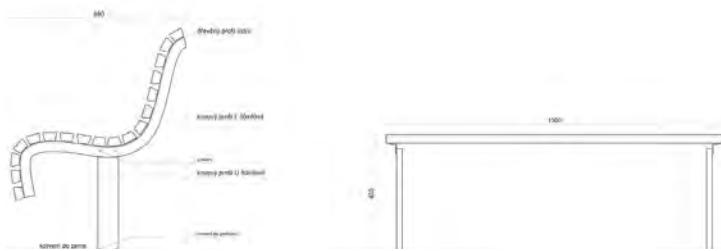
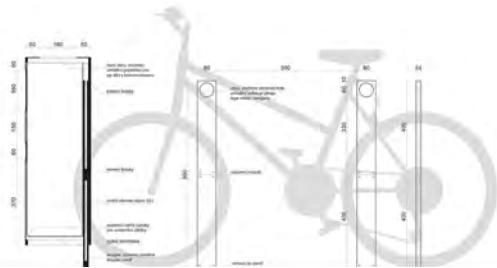
JIŘÍ POKORNÝ

MIRKA BAKLÍKOVÁ

ANNOTATION OF THE DESIGN PROPOSAL

The response to the diverse needs of the city is not a singular element, but a single construction system shared by all elements. Its universal but specific; uniform but individual; simple but sophisticated; functional but aesthetic. A set that can respond to every situation.





Havlová, Kolková

AUTHORS

HANA HAVLOVÁ

KATEŘINA KOLKOVÁ

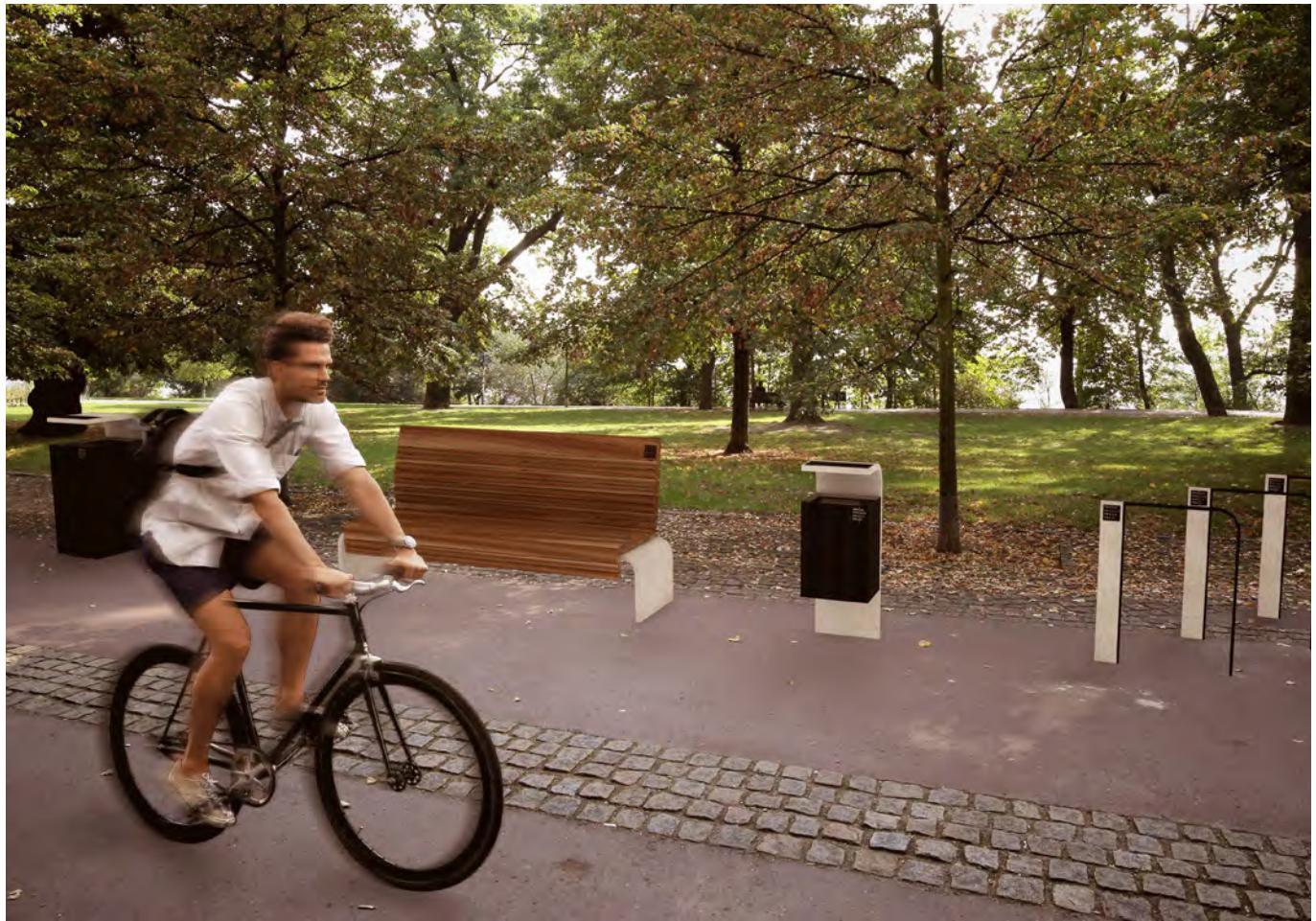
ANNOTATION OF THE DESIGN PROPOSAL

This design proposal for a series of Prague street fixtures was created from the desire to fit the grace and elegance of Prague into a number of elements, express admiration and love of the city's history and, at the same time, and convey openness to progress and the future.

Inspiration / Prague bridges / Arches / Vltava River / Current / Fluidity /
Focus / Simplicity / Delicacy / Elegance / Ergonomics / Detail / Application of
new materials / Context of the historical city

The design of the benches builds on the historical tradition of wooden benches. It combines elegant lines of thin-walled UHPC structures that bring new dimensional possibilities to the elements. UHPC (ultra high-performance concrete) is the linking element of the entire series – from the bench, through the litter bins, to the bicycle racks. Materials: UHPC, steel, wood





Mlejnková

AUTHOR

PETRA MLEJNKOVÁ

COOPERATION

MYO INTERIORS

ANNOTATION OF THE DESIGN PROPOSAL

The new Prague street furniture elements are designed to not disturb the historical heritage of Prague while giving it a modern touch.

The individual elements fulfil both a practical and aesthetic function, both independently and in combination with other elements of the set. Their ergonomic parameters take into account the comfort of all generations of residents. The benches are suitable for extended periods of sitting; the litter bins are the right size for a big city environment; and the bicycle rack makes

it possible to lock the bike frame to it.

The materials were chosen to allow for freedom of design and to be robust and easily obtainable. The material for the seating portion of the bench was chosen for the property of not assuming the surrounding temperature quickly. The resulting combination of fibre concrete and joints fulfils the mentioned requirement while appearing aesthetic.





Dostál

AUTHOR

JIŘÍ DOSTÁL

COOPERATION

KAREN OLIVERA PEREZ

ANNOTATION OF THE DESIGN PROPOSAL

The street furniture for Prague was created with an emphasis on detail and materials. Prague, being a city of diverse architectural styles, has a unique atmosphere. The diversity of the materials and the way they are used contribute to this atmosphere. It is this diversity with an emphasis on detail that was the inspiration behind the design of the street furniture. The designed street furniture should not only be able to add to the atmosphere

of historical Prague, but also create it when needed and in certain areas, and certainly not parasite off it as many modern architectural and design efforts often do. Cubism and the technical elements of urban fixtures – such as manholes, lamp posts and railings – have served as inspiration.





Vích, Skála

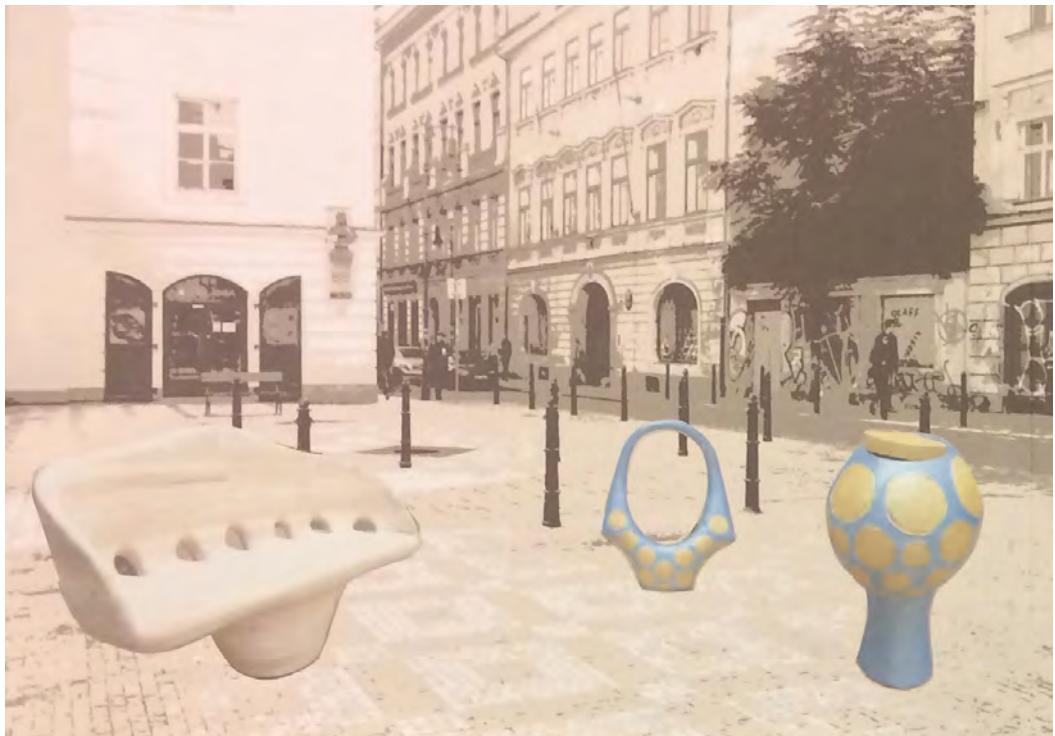
AUTHORS

TOMÁŠ VÍCH

ZDENĚK SKÁLA

ANNOTATION OF THE DESIGN PROPOSAL

A universal set of Prague public street furniture called "Dragonfly", the spiritus agens of fractal geometry of self-organising matter, mirrors the sun and the river, the Baroque and the sky.





Matoušek

AUTHOR

DAVID MATOUŠEK

ANNOTATION OF THE DESIGN PROPOSAL

The subject of this work is a street furniture design for Prague. The proposed pieces reflect the environment in which they would appear and respect the user, operational and economic requirements. The materials used are available on the Czech market; for this reason, production would not be complicated. The proposed elements eliminate the negative effects of use or vandalism. The surfaces can be easily maintained and do not provide

space for passers-by to express themselves graphically or for advertising/flyposting. The elements can be installed as a set in one location or independently. Each piece of furniture is designed to match in appearance, in terms of both material and shape. The design proposal includes three bench designs, two litter bin designs and a bicycle rack.





Froněk, Němeček

AUTHORS

ARTĚL, spol. s.r.o. – MICHAL FRONĚK

JAN NĚMEČEK

COOPERATION

ALEŠ KACHLÍK

ROUND II.

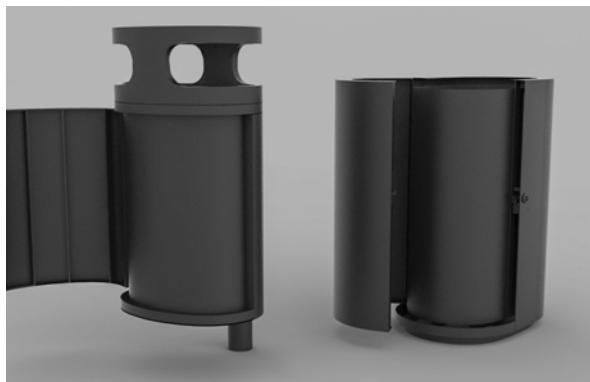
ANNOTATION OF THE DESIGN PROPOSAL

The form of the individual elements is intentionally not unified. They are visually linked, however, by material, construction and colour principles, which results in a compact, aesthetic appearance while having entirely different functions. Excessive adherence to formal unity results in more problems than benefits in real situations. In reality, the items function more in the context of other, already existing and, nevertheless, formally different elements.

The concept of the bench builds on the traditional, Czech, post-war, park type. Its evolution lead to more sophisticated construction, better materials and, above all, better ergonomics.

The litter bins build on the bench design in through their frugality and intentionally uncertain period. The geometrically soft forms based on the circle and oval facilitate installation in various architectural contexts.





Herrmann, Coufal

AUTHORS

EDUARD HERRMANN

MATĚJ COUFAL

COOPERATION

DAVID KARÁSEK

ROUND II.

ANNOTATION OF THE DESIGN PROPOSAL

The design unobtrusively fits into the environment of Prague and blends in with the diverse architecture. At first glance it feels conventional; upon closer inspection, however, distinctive and elegant detail shines through. The technology of casting into forms allows a novel form to be achieved; at the same time, cast-iron, as a traditional material, communicates best with the environment of Prague. The cast iron is accompanied by cast

structural concrete (capacity litter bin) and injected plastic (mounted bin). The materials used are sturdy enough to withstand day-to-day use, while complementing each other. In mass production, casting is more economical than conventional methods. The initial investment into the form may appear high, but in the case of production for the whole of the city, it will substantially pay off.





Karásek, GOLÍK

AUTHORS

DAVID KARÁSEK

DANIEL GOLÍK

ROUND II.

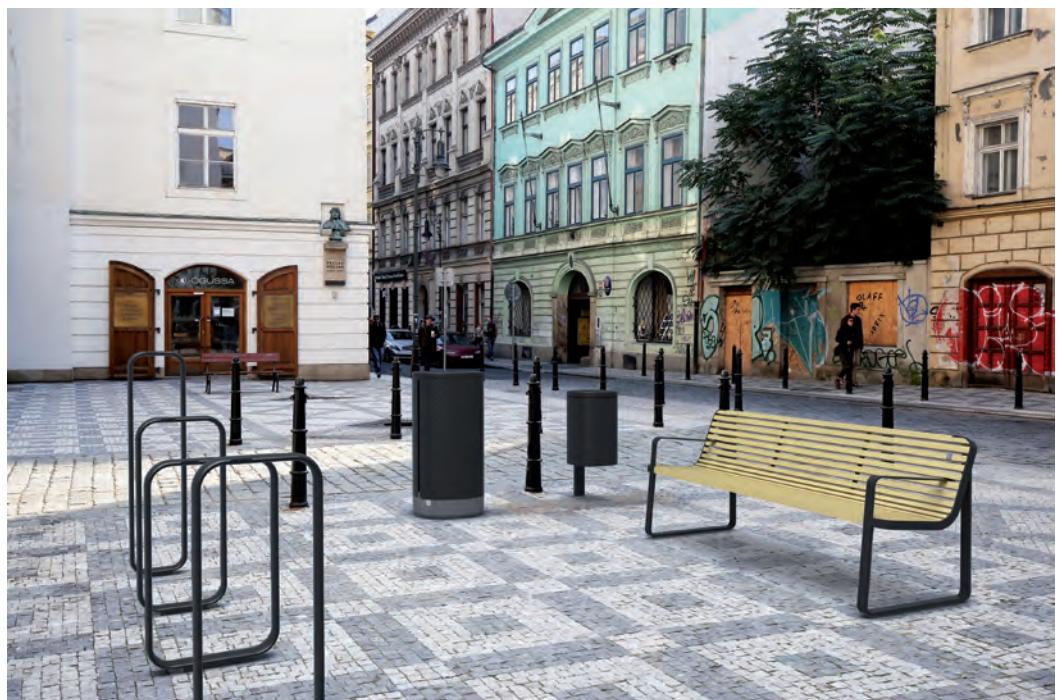
ANNOTATION OF THE DESIGN PROPOSAL

Prague paving is a phenomenon. A right-angle grid, but not entirely. It is assembled from thousands of rounded blocks and was used as the design basis for the Square range of street furniture. Straight lines with rounded ends like the paving stones are the unifying motif for all elements. In the streets of Prague, they should look as natural as the paving.

A bench that looks original, but made from absolutely ordinary, pre-made

steel components that are strong and stable but without a single sharp edge. A litter bin along whose body light bounces off softly from any angle. But it is no rolling stone: it has the stability of a paving stone.

The design of the bicycle racks is reminiscent of rounded window frames. Designed in three different sizes, so can be combined to form playful sets.





Herrmann, Coufal

AUTHORS

EDUARD HERRMANN

MATĚJ COUFAL

COOPERATION

DAVID KARÁSEK

ANNOTATION OF THE DESIGN PROPOSAL

Street furniture elements as a practical and elegant addition to Prague public space. The design should feel conservative, but also spontaneous, and thereby blend in with the city. The objective of this design proposal is to offer Prague residents and visitors modern furniture made using tradition technologies with a high utility value.

The elements are unified by an aluminium alloy, which is a good

aesthetic fit for Prague public space. Aluminium can be melted down again and reused if recycled. The alloy allows for delicate forms and the Prague city logo to be embossed on it. The logo will thus not disrupt the overall aesthetic feel. The surface of the alloy is treated with a powder coating. The unifying colour is dark grey (RAL7022), again so as not to disturb the Prague skyline.





Šesták, Štok, Sojka

AUTHORS

MAREK ŠESTÁK

ADAM ŠTOK

MICHAL SOJKA

ANNOTATION OF THE DESIGN PROPOSAL

Design proposal for new Prague street furniture. Prague is exceptional for numerous architectural styles that exist side-by-side. The city is literally a textbook of styles. With its simple and clean form, this design proposal tries to reinforce the unique character of the city and the public space that forms an integral part thereof. The design proposal does not aim to capture attention with cheap extravagancies or otherwise show off to the detriment of public space and its qualities. The objective was to create fixtures with an unobtrusive appearance that would not disturb the surroundings but complement it instead. Thanks to the simple and clean design, the furniture suits any city or representative park or public space. Wood has been used on the seating portions of the benches, as humans have an affinity for this material due to its properties and is pleasant, unlike metal or various imitations. Solid wood, as it is used in the bench design, places emphasis on

blending the bench into its surroundings. Naturally, a large, wooden surface area is susceptible to vandalism, but the ideal behind the design concept is to have the furniture reflect the environment in which it is located and to have it live its own life, i.e., to age and change over time. The smart and simple details give the furniture its magic. Just as we see different forms taking turns in Prague, even here can be seen round and sharp shapes alternate.

The main motif of the concept of the final design proposal is based on the principle of removing and adding matter and rounding the outside edges; inserting the wooden seat and backrest into the structural frame of the bench while preserving the thickness of the silhouette. By rounding the outside edge, a different structural profile is created.

As important as the aesthetics are the other factors: functionality, stability and easy maintenance. The design fulfills all these requirements. Each of the elements can be anchored to the ground or bolted.





Karásek, Šašinka

AUTHORS

DAVID KARÁSEK

VIKTOR ŠAŠINKA

ANNOTATION OF THE DESIGN PROPOSAL

The unique atmosphere of Prague as a city is pervaded by many architectural layers and is best symbolised by those sites where old and the new combine to create a single whole. Emau is inspired by buildings such as the Emmaus Monastery after it was repaired using modern elements. The soft moulded shapes of all the elements are not aggressive while not compromising tectonics. The delicate bending and details demonstrate grace and respect for the surroundings, exactly in a way that will adorn Prague while serving its users well.

A bench with a side profile in the form of a graceful curve; wooden slats cut at a sophisticated angle. A litter bin with a shell made of aluminium profiles with fine fluting; the top lid made from cast metal with the same motif. A bicycle stand is a small sculpture that is fully functional, safe and beautiful.





Karásek, Šašinka

AUTHORS

DAVID KARÁSEK

VIKTOR ŠAŠINKA

ANNOTATION OF THE DESIGN PROPOSAL

Standing up two poles obliquely and crossing them. A tribute to ancient craft and a form that belongs to a city with a visible history. Old, forged grates or outdoor furniture in one of the Lesser Town gardens come to mind. The acknowledged, almost functionalistic structure: what looks like it is being supported is supported.

The characteristic silhouette of the bench with the marked cross of the bottom support can truly become a Prague phenomenon. It looks simple, but has numerous, sophisticated details, from the connection of the backrest or hand rests to the remarkably ended, partially imbedded wooden slats. The litter bin consciously builds on the most commonly seen model on the streets of Prague today, and the bicycle rack sparingly develops the form of the bench and looks as though it is made by an old master blacksmith.





Adamec, Foltýnek

AUTHORS

KAREL ADAMEC

JAN FOLTÝNEK

ANNOTATION OF THE DESIGN PROPOSAL

Street furniture should fulfil its utility function and should not attract attention unnecessarily. This, however, does not mean that it should not be beautiful. Although the design proposal chiefly observes utility and practical function, which has given the concept repeating structural elements that in their various permutations serve as the basic structure of all components of the furniture, it also places emphasis on beautiful

materials and refined detail. That is, unfortunately, often something that is hidden from the observer's eye, but also what makes the design all the more interesting, as the beauty has to be sought, as in the case of the chosen minimalist construction, which tries to be beautiful through its simplicity and proportions.





Plachá

AUTHOR

ATELIER MONARCH, S.R.O. – MARCELA PLACHÁ

COOPERATION

JAN PLACHÝ

ANNOTATION OF THE DESIGN PROPOSAL

The proposed set of Prague street furniture – comprising benches, litter bins and a bicycle rack – corresponds perfectly to both the traditional and architecture of the era of Charles IV and to the modern trends in the capital city. Each curve of the designed items respects the history, complements the character of public space in the historical part of Prague, and frequently makes reference to the modern and progressive style of the

city. Furthermore, all elements of the set bear the capital city's coat of arms. The overall design concept is sufficiently distinct and representative and uses simple and durable materials: cast iron, stone, wood and steel. It is environmentally friendly and easy to maintain.





Fabishevskii

AUTHOR

ANDREI FABISHEVSKII

SPOLUPRÁCE

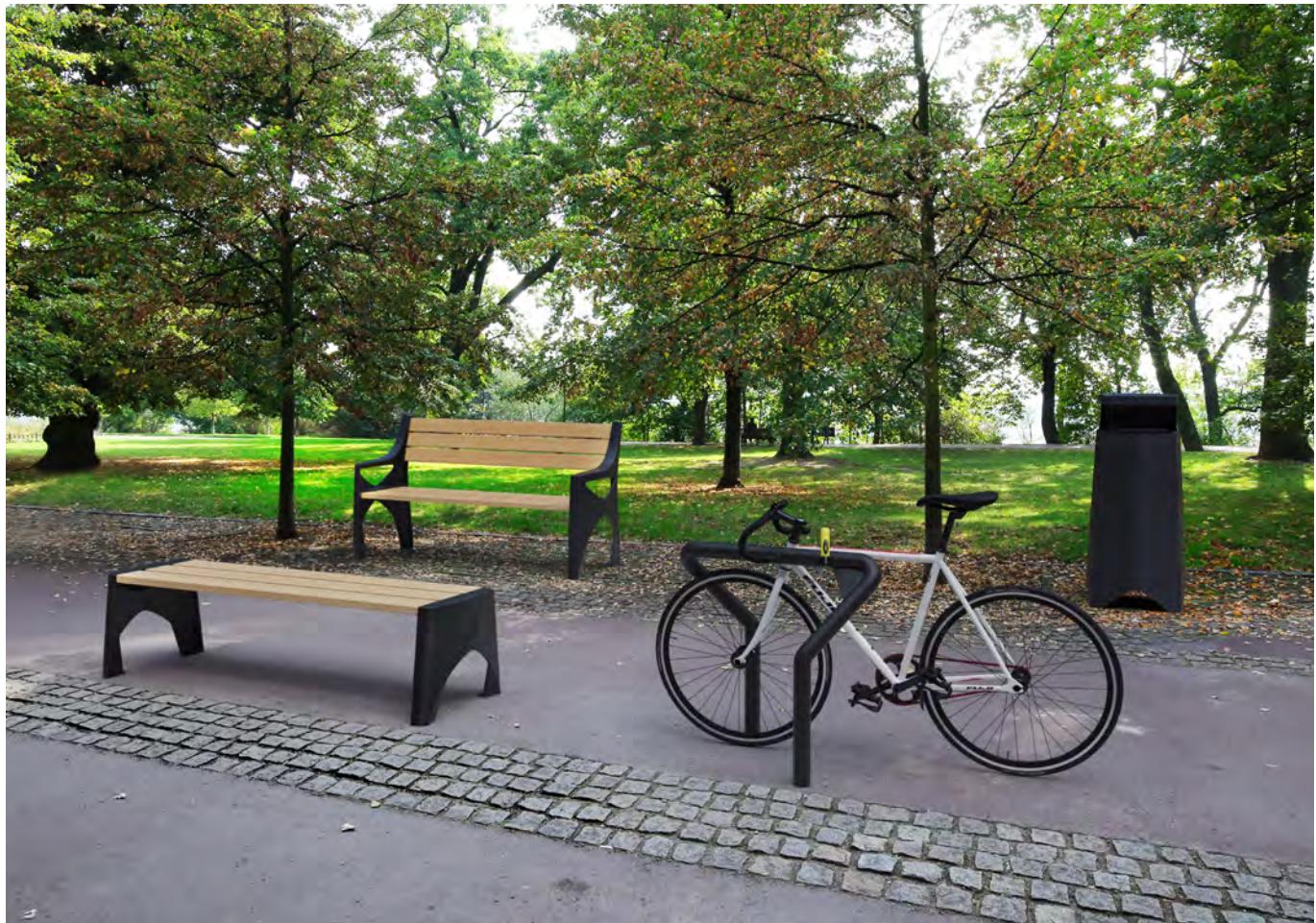
ALEKSEY SHARSHAKOV

ANNOTATION OF THE DESIGN PROPOSAL

The proposed set of Prague street furniture – comprising benches, litter bins and a bicycle rack – corresponds perfectly to both the traditional and architecture of the era of Charles IV and to the modern trends in the capital city. Each curve of the designed items respects the history, complements the character of public space in the historical part of Prague, and frequently makes reference to the modern and progressive style of the

city. Furthermore, all elements of the set bear the capital city's coat of arms. The overall design concept is sufficiently distinct and representative and uses simple and durable materials: cast iron, stone, wood and steel. It is environmentally friendly and easy to maintain.





Bek

AUTHOR

JAN BEK

ANNOTATION OF THE DESIGN PROPOSAL

I grew up in Prague and lived here my whole life. Prague street furniture is an issue that has truly troubled me as an architect for some time. I travel quite frequently and like to visit new places and cities. Street furniture plays an important role in creating an impression of a given space. I can specifically mention the beautiful streets and elegantly matching benches and litter bins in Barcelona. It is here that I have been inspired by the

solitary seating for one person (see the design proposal).

For this reason, when the opportunity to express my opinion on this topic arose, I was happy to take part. My design concept is restrained, making the bench, for example, a dignified place for young and old to rest. The entire set is not too obtrusive or dominating and instead looks natural, whether located in a park or in the city streets.





Zwangsleitner, Dumke

AUTHORS

FLORIAN ZWANGSLEITNER

CAROLIN DUMKE

ANNOTATION OF THE DESIGN PROPOSAL

The street furniture for the Capital City of Prague reflects the contrasts and beauty of the city. The elegant swing and flow of the city's elements is reflected in each piece of furniture and creates a sort of template of repeating motifs. The perforated board with the rich, ornamental pattern is repeated in the bench with the backrest and in the litter bins. This will make the

furniture unequivocally appreciated and distinguishable from other brands. The materials and shape not only support the elegance of the fixtures, but also give them a timelessness and durability.





Loudová

AUTHOR

MARTINA LOUDOVÁ

COOPERATION

PAVEL LOUDA

ANNOTATION OF THE DESIGN PROPOSAL

In terms of form, the street furniture is a simple, functional element, designed so that all its parts are a natural part of the surroundings. Concrete is the primary material chosen. Other materials include steel, high-quality wood and plastic. For all the furniture, the main unifying element is concrete and colourful steel parts.

All elements are designed to be safe, comfortable and natural for users. Furthermore, the design ensures that all parts of the street furniture require minimum maintenance and that assembly is easy and, if possible, does not require the application of complicated procedures or the use of mechanisation.

When designing the street furniture, concrete was chosen as the primary material, as it is an excellent material with a range of benefits. It is durable with a long life and minimum maintenance requirements. Oak, corrosion-resistant steel and HDPE-MF were the other materials used. The use of oak was chosen despite its high initial purchase price because of its long life even when exposed to the elements. The steel parts are treated with a powder coating to make them resistant to corrosion. HDPE-MF boards, which are used for the backrest, can be worked using regular tools and can be easily shaped to satisfy the ergonomic requirements of users.





Krejčířík, Mirbauer

AUTHORS

JIŘÍ KREJČÍŘÍK

FILIP MIRBAUER

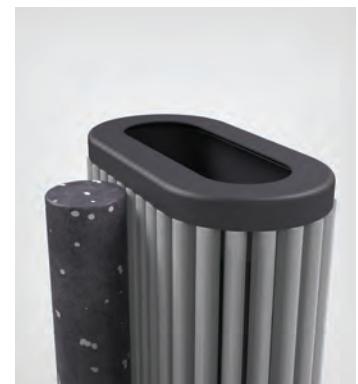
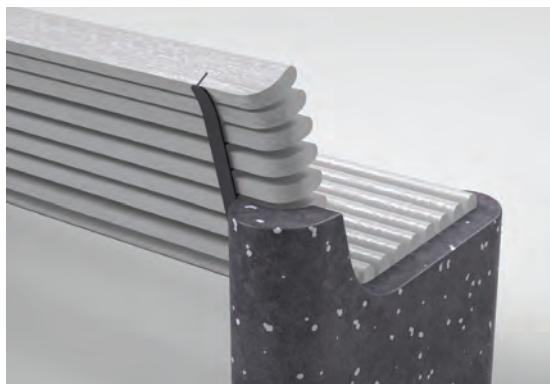
ANNOTATION OF THE DESIGN PROPOSAL

Our street furniture design takes into account that it will be situated in diverse urban environments and in the historical and modern parts of Prague. The various elements are unified aesthetically, by choice of materials and chiefly by the effort to build on the context of Prague. We have created a timeless design that does not succumb to period trends. The minimalist form is based on basic geometric shapes and their intersections. The purity of form and monochromatic colouring do

not attract excessive attention, but instead complement the city's public space.

The structure of the elements has a compact form, is solid and, at the same time, graceful. We have chosen solid, time-tested materials for production. Dyed concrete, as the basic structural element, is complemented by wood and metal.





Padrnos, Jindra

AUTHORS

JAN PADRNOS

VIKTOR JINDRA

ANNOTATION OF THE DESIGN PROPOSAL

The basic idea behind the street furniture is a timelessness design. This is reflected not only in the chosen form – i.e., the street furniture is modern but also based on classic, tested archetypes of individual elements with an emphasis on their elegance and focus on detail – but also in the chosen material – the metal parts are cast, which makes it possible to achieve greater elegance and purity of form while respecting the tradition of a place and its *genius loci*.

Thanks to the design, technology and material, the design elements can complete the space in a dignified manner, even in the architecturally valuable protected historical area. Depending on their surface finish chosen, they can become entirely contemporary elements in the streets of a modern city.





Barták, Štásková, Bartáková

AUTHORS

EP STUDIO – ŠTEPÁN BARTÁK

EVA ŠTÁSKOVÁ

MAGDALENA BARTÁKOVÁ

ANNOTATION OF THE DESIGN PROPOSAL

What is it that we tried to achieve with our street furniture design? A design that reflects the elements typical for Prague. We tried to stamp several stylised symbols of the City of Prague into the shape of the bench, as the main piece of the furniture set.

To create a design based on one basic shape to facilitate production and create a visually cohesive set. To share the greatest number of visual

elements among each piece of the set to ensure visual coherence.

To create elegant and graceful furniture that is visually clean and uncomplicated, so that it can be used both near historical buildings and in new, modern developments.





Hanáková, Lišková

AUTHORS

KLÁRA HANÁKOVÁ

LENKA LIŠKOVÁ

ANNOTATION OF THE DESIGN PROPOSAL

According to the Prague street furniture design competition instructions, I decided to work, under the guidance of my teacher, on the design of a bench without a backrest, a bench with a backrest, a bicycle rack, a capacity litter bin and a mounted litter bin. I chose the structural elements to support the simple shapes of the whole and based on their price and ease of assembly. When working on dimensions, I paid attention to ergonomics

and on safety during regular use. I also took into account aesthetics and ease of maintenance of the elements. I first made sketches of my designs. I then created models in the Rhinoceros 5.0 programme. I also worked on perfecting the dimensional ratios of the design.





Bendová

AUTHOR

MARIE BENDOVÁ

ANNOTATION OF THE DESIGN PROPOSAL

Designing street furniture for Prague forces one to think about the city itself. What does the city characterise? How does it make us feel? What is its history? What does it look like today?

The first thoughts about the concept led us to question what makes the city special and different from other cities. Prague is known as a textbook for architecture due to its diversity. When walking through the city, we can practically encounter the Renaissance, Classicism, Functionalism and Cubism all on one street. Despite its diversity, Prague is, however, still a city formed by mass – buildings that create public space.

The procedure when designing street furniture has a similar conceptual basis. A support structure is created – a form that remains the same under

all circumstances. Just like a building is always building, be it a Renaissance building or a Functionalist building. This form is filled in in various ways and designed in two different formats. The small format symbolises a city chair for one person and the big format corresponds to the standard bench for three people. The form of the bench also generates the form of all parts of the set – a bench without a backrest, the litter bins and the bicycle rack.

The idea of different fillings and sizes, but which are very similar, provide the opportunity for numerous combinations that always work in the respective space. Each public space has its own unique character and different demands for furniture, and these can be easily accommodated if we have a choice of elements that have the same conceptual and aesthetic basis. The possibility to complete the character of a place by the choice made.





1L_{small}



1 small



2L_{small}



2 small



3L_{small}



3 small



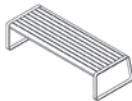
odpadkový koš
samostatně stojící



odpadkový koš
závěsný



1L_{large}



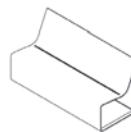
1 large



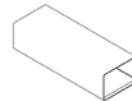
2L_{large}



2 large



3L_{large}



3 large



stojan na kolo

Hora

AUTHOR

JAN HORA

COOPERATION

BARBORA HORA

ANNOTATION OF THE DESIGN PROPOSAL

The new street furniture will become part of the city's identity, just like the T3 trams or the original visual style of the Prague metro. For this reason, the design has to, or should be, timeless. It should not belong to a specific era; it should be able to assimilate into all urban environments.

We have designed furniture that reflects these qualities. We have designed furniture that beckons to be used and touched. We have designed furniture that you may not notice at first, but will become a natural part of your life. It will become an old friend.





Ruffer

AUTHOR

JAN RUFFER

ANNOTATION OF THE DESIGN PROPOSAL

The aim of the concept is to create a simple structural design that is suitable for the historical areas of the city but usable in either environments as well. My own survey has shown that ordinary people are rarely concerned with street fixtures, unless they are different in some way or interactive. With regard to this, the concept focuses on a playful way of getting to know Prague while retaining simple aesthetics. The most difficult task was the

litter bin, as it was difficult to design a shape that would correspond fully to all requirements tied to it. The great number of requirements usually meant that some traits had to suffer. With several compromises, I have been able to find a balance. Everything of importance is described below





Catalogue of competition entries of international open
anonymous design competition for design of new components
of prague street furniture

www.iprpraha.cz/mobiliar

Prague Institute of Planning and Development
Urban Design Section / Projects and Competitions Office
Jitka Brablecová
Petra Hrubešová
Rostislav Zapletal
Vyšehradská 57/2077, 128 00 Praha 2

first print / 88 pages

Photo: IPR Praha

© IPR Praha / SPM, 2017–10

Prague Institute of Planning and Development, 2017

The images and texts or parts thereof can be (with regard to
the Copyright Act) distributed, copied and reproduced by any means.
Longer citations or greater amounts need to be agreed with the publisher.
The source always needs to be cited.



PRAHA
PRAHUE
PRAAGA
PRAAG

IPR —
PRAHA



More information on:
www.iprpraha.cz/mobiliar