

REGULAMIN Konkursu ISOVER Multi-Comfort House „REGENERATION & COMMUNITY DEVELOPMENT”

Konkurs ISOVER Multi-Comfort House „Regeneration & Community Development ” ma na celu wsparcie wizerunku marki ISOVER oraz jej popularyzowanie. Niniejszy Regulamin określa zasady uczestnictwa i nagradzania w **Konkursie ISOVER Multi-Comfort House „Regeneration & Community Development”** i jest ściśle powiązany z regulaminem angielskojęzycznym - **załącznik numer 1**.

§ 1

Pojęcia

1. Ilekroć w Regulaminie jest mowa o:

Regulaminie - rozumie się przez to regulamin określający zasady uczestnictwa w **Konkursie ISOVER Multi-Comfort House „Regeneration & Community Development”**.

Konkursie – rozumie się przez to Konkurs o nazwie **ISOVER Multi-Comfort House „Regeneration & Community Development”** organizowany przez Saint – Gobain Construction Products Polska Sp. z o.o., którego zasady określa niniejszy Regulamin wraz z załącznikami.

Sponsorze– rozumie się przez to spółkę Saint – Gobain Construction Products Polska Sp. z o.o. ul. Okrężna 16, 44-100 Gliwice, zarejestrowaną w Sądzie Rejonowym w Gliwicach, X Wydział Gospodarczy KRS, pod numerem KRS 0000086064, posiadającą numer NIP 5220101585, o kapitale zakładowym: 314 627 500 PLN.

Organizatorze – rozumie się przez to spółkę MPL VERBUM S.A. z siedzibą w Poznaniu, ul. Szelągowska 45A, 61-626 Poznań, wpisaną do Krajowego Rejestru Przedsiębiorców zarejestrowaną w Sądzie Rejonowym w Poznaniu, VIII Wydział Gospodarczy Krajowego Rejestru Sadowego pod numerem KRS: 0000372990, kapitał zakładowy: 244 444,40 zł . złotych, posiadającą numer REGON: 630922602 oraz numer NIP: 778-12-26-405.

Uczestniku Konkursu – rozumie się przez to studentów Politechniki Wrocławskiej i Politechniki Śląskiej. Uczestnicy muszą posiadać pełne prawa studenta, tzn. posiadać ważną legitymację studencką. Uczestnicy mogą brać udział w Konkursie indywidualnie lub

w zespołach. Zarówno zespół, jak i uczestnik indywidualny może zgłosić w Konkursie jeden projekt.

Nagrodzie Głównej – rozumie się przez to nagrody gotówkowe przyznane za zajęcie odpowiednio I, II, III miejsca w Konkursie, oraz kwalifikację do międzynarodowego finału Konkursu.

Nagrodzie Specjalnej – rozumie się przez to gotówkową nagrodę w wysokości 750 PLN.

Nagrodzie Pozaregulaminowej – Sponsor Konkursu zastrzega sobie prawo do przyznania nagrody pozaregulaminowej.

§ 2

Postanowienia ogólne

1. Przedmiotem **Konkursu**, jest opracowanie projektu w ramach programu rewitalizacji obszaru dorzecza Trent, Nottingham, Wielka Brytania. Wszelkie wytyczne techniczne jakie musi spełniać projekt dostępne są w anglojęzycznej wersji regulaminu (**załącznik numer 1**). Wszystkie prace muszą być zaprojektowane biorąc pod uwagę kryteria ISOVER Multi-Comfort House.
2. Tematem Konkursu jest **„Regeneration & Community Development ”**.
3. Ogłoszenie Konkursu nastąpi w dniu 14 listopada 2011 roku.
4. Uczestnicy Konkursu poprzez fakt przystąpienia do Konkursu wyrażają zgodę na wykorzystanie przez Organizatora danych osobowych niezbędnych dla potrzeb przeprowadzenia niniejszego Konkursu, na warunkach określonych w ustawie z dnia 29 sierpnia 1997 r. o ochronie danych osobowych (tekst jednolity Dz. U. z 2002, Nr 101, poz. 926 z późn. zm.) Administratorem danych osobowych zebranych podczas niniejszego Konkursu jest – w rozumieniu ustawy o ochronie danych osobowych – Organizator.
5. Nagród w Konkursie nie mogą otrzymać pracownicy spółek należących do Grupy Saint – Gobain Construction Products Sp. z o.o. oraz członkowie ich najbliższych rodzin.

§ 3

Zasady Konkursu

1. **Konkurs ISOVER Multi-Comfort House „Regeneration & Community Development”** jest przedsięwzięciem Organizatora skierowanym do studentów dowolnego roku studiów wyższych, spełniających warunki Uczestnictwa opisane w **&1 pkt. 1.**

2. Czas trwania **Konkursu ISOVER Multi-Comfort House „Regeneration & Community Development”** obejmuje daty od 14 listopada 2011 do 25 maja 2012 r.
3. Przystępując do **Konkursu ISOVER Multi-Comfort House „Regeneration & Community Development”** Uczestnik oświadcza, że zapoznał się z warunkami uczestnictwa określonymi w Regulaminie Konkursu wraz z **załącznikiem numer 1**.
4. W Konkursie zostaną ocenione prace konkursowe, nadesłane do dnia 26 marca 2012 r., na adres podany na stronie www.isover-students.com.
5. Za pracę konkursową zostanie uznana praca, dotycząca problematyki **Konkursu ISOVER Multi-Comfort House „Regeneration & Community Development”**, która spełnia kryteria zawarte w Regulaminie oraz załączniku 1 do niniejszego Regulaminu.

§4

Rozstrzygnięcie Konkursu i odbiór nagród

1. Na potrzeby Konkursu zostanie powołana specjalna Komisja, w skład której wejdą przedstawiciele Saint – Gobain Construction Products Polska Sp. z o.o. oraz Politechniki Wrocławskiej i Politechniki Śląskiej. Komisja w dniach 9 kwietnia 2012r. – 13 kwietnia 2012r. dokona oceny zgłoszonych projektów. Najpóźniej 30 kwietnia 2012r. nastąpi rozstrzygnięcie Konkursu.
2. Spośród zgłoszonych projektów oraz po weryfikacji zasad określonych w **§3 niniejszego Regulaminu oraz załączniku numer 1** wyłonieni zostaną Zwycięzcy Konkursu, którym wskutek pozytywnej weryfikacji **&4 pkt. 7** zostaną przyznane Nagrody.
3. Nagrodami w **Konkursie ISOVER Multi-Comfort House „Regeneration & Community Development”** są w kolejności:
 - I miejsce – 4500 PLN
 - II miejsce – 3000 PLN
 - III miejsce – 1500 PLN
 - Nagroda Specjalna – 750 PLN
4. Zgodnie z art. 30 ust. 1 pkt 2 oraz art. 41 ust. 7 Ustawy z dnia 26 lipca 1991 r. o podatku dochodowym od osób fizycznych nagrody konkursowe podlegają opodatkowaniu zryczałtowanym podatkiem dochodowym od osób fizycznych z tytułu wygranych konkursowych, w wysokości 10% wartości nagrody. Dlatego też Nagroda Główna oraz Nagroda Specjalna, wymienione w **§4pkt. 3** niniejszego Regulaminu, zostaną powiększone o uzupełniającą nagrodę gotówkową w wysokości 11,11% wartości nagrody. Uzupełniająca nagroda gotówkowa, o której mowa w zdaniu poprzednim, nie podlega wypłacie i zostanie przeznaczona w całości na pokrycie zaliczki na podatek dochodowy od

łączonej wartości Nagrody Głównej lub Nagrody Specjalnej i uzupełniającej nagrody gotówkowej. Za odprowadzenie należnego podatku od nagród odpowiada Organizator.

5. Odbiorcą Nagrody może być tylko Zwycięzca Konkursu. Nagrody nie mogą być przekazywane osobom trzecim bez akceptacji Organizatora i Sponsora Konkursu. Organizator Konkursu w porozumieniu ze Sponsorem zastrzega sobie prawo do odmowy przekazania Nagrody osobie trzeciej. Nagrody zostaną przekazane Zwycięzcą za pośrednictwem poczty kurierskiej lub poprzez przelewy bankowe.

6. Zwycięzcy Konkursu zostaną ogłoszeni najpóźniej do dnia 30 kwietnia 2012 roku na stronie internetowej www.najlepsze-izolacje.pl.

7. Weryfikacja prawa do nagrody będzie prowadzona w następujący sposób:

a) Zwycięzca Konkursu zostanie powiadomiony telefonicznie oraz mailowo na wskazany adres podany w formularzu zgłoszeniowym najpóźniej do dnia 30 kwietnia 2012 roku o przyznanej nagrodzie wraz z prośbą o przesłanie najpóźniej do dnia 30 maja 2012 roku pisemnej zgody przyjęcia Nagrody oraz ksera dokumentu potwierdzającego zgodność jego danych osobowych z danymi Zwycięzcy Konkursu.

b) Osoba, która nie prześle w/w dokumentów uprawniających do odebrania Nagrody Głównej i Nagród w wymaganym terminie, traci do niej prawo

8. Nagrody Główne oraz Nagrody Specjalne, które na skutek negatywnej weryfikacji lub w wyniku utraty prawa do Nagrody przez Zwycięzców nie zostaną im przekazane zostają do dyspozycji Organizatora Konkursu.

9. Pieniężne nagrody zostaną przekazane Zwycięzcą za pośrednictwem poczty kurierskiej lub poprzez przelewy bankowe najpóźniej do dnia 30 czerwca 2012 roku.

§5

Składanie i rozpatrywanie reklamacji

1. Każdemu Uczestnikowi Konkursu przysługuje prawo wniesienia pisemnej reklamacji w terminie 3 dni od daty ogłoszenia Zwycięzcy. O terminie złożenia reklamacji decydować będzie data stempla pocztowego.

2. Zgłoszenie reklamacyjne powinno zawierać dokładne dane personalne zgłaszającego reklamację.

3. Reklamacje należy kierować na piśmie na adres: Saint – Gobain Construction Products Polska Sp. z o.o. ul. Okrężna 16, 44-100 Gliwice. Czas rozpatrzenia reklamacji – 14 dni.

4. Rozpatrywaniem reklamacji zajmie się Komisja w terminie 14 dni.

5. Od decyzji Komisji rozpatrującej reklamacje nie przysługuje odwołanie.

6. Reklamacje zgłoszone po terminie nie będą rozpatrywane.

§6

Postanowienia końcowe

1. Organizator będzie prowadził komunikację z Uczestnikiem w formie ustnej, pisemnej, elektronicznej lub telefonicznej.
2. Przystąpienie do Konkursu **ISOVER Multi-Comfort House „Regeneration & Community Development”** jest równoznaczne z oświadczeniem Uczestnika o zapoznaniu się z treścią Regulaminu oraz załączników i akceptacji wszystkich jego postanowień, a także, że spełnia określone w Regulaminie i załącznikach warunki uczestnictwa w konkursie.
3. Naruszenie postanowień Regulaminu może stanowić podstawę do ograniczenia przez Organizatora uprawnień Uczestnika wynikających z uczestnictwa w Konkursie, w szczególności może stanowić podstawę do uchylenia się przez Organizatora od realizacji nagrody przysługującej dla danego Uczestnika konkursu, jak również może stanowić podstawę do uchylenia się przez Organizatora od dostarczenia danemu Uczestnikowi nagród.
4. Treść niniejszego Regulaminu oraz szczegółowe informacje dotyczące konkursu zamieszczone są na stronie www.najlepsze-izolacje.pl.
5. Organizator zastrzega sobie prawo zmiany treści Regulaminu w czasie trwania Konkursu. Wszyscy Uczestnicy zostaną o tym fakcie poinformowani.
6. Wszelkie informacje dotyczące konkursu w broszurach i materiałach o charakterze reklamowym, mają jedynie charakter informacyjny i nie stanowią oferty w rozumieniu przepisów prawa cywilnego.
7. W kwestiach nieuregulowanych w niniejszym Regulaminie mają zastosowanie powszechnie obowiązujące przepisy prawa polskiego.
8. Wszelkie spory wynikające z niniejszego regulaminu będą rozstrzygane w sądzie właściwym ze względu na siedzibę Organizatora.
9. Wszystkie pytania dotyczące Konkursu można kierować na adres Organizatora.

ZAŁĄCZNIK NUMER 1

Invitation for Competition Submissions ISOVER Multi-Comfort House Students Contest 2012

REGENERATION & COMMUNITY DEVELOPMENT



International, two-stage, open competition, 2012 edition

- Content:** Regeneration and community development in Trent Basin, Nottingham, UK
- Participants:** Students
- Organizer:** Saint-Gobain Insulation with the participation of national Saint-Gobain ISOVER, CertainTeed and IZOCAM organizations
- Official Website:** www.isover-students.com

Agenda

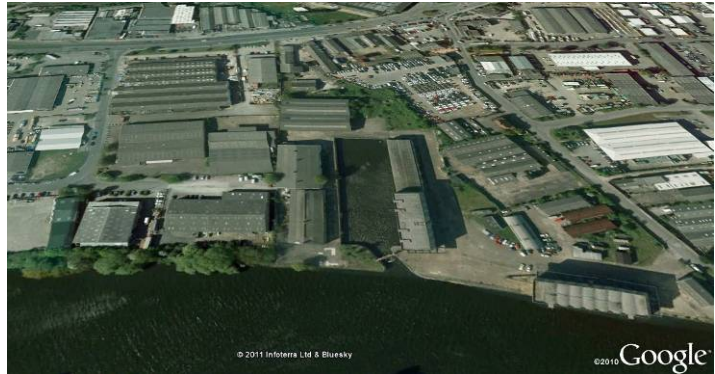
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1. General information

1.1. Contents of the competition

Under the current economic pressure, cities are no longer able to develop the way they used to, especially in the regeneration of unused industrial areas, which have become increasingly in demand due to lack of housing and infrastructure. Although nearby, they represent disconnected areas from the city centres.

Considering that city expansion and large regeneration schemes remain as unrealised masterplans due to shortage of public funds and lack of incentive to private initiatives, its now a challenge to devise schemes which could trigger progressive regeneration in harmony with existing urban structures.



Proposed site - air view 1

From an environmental perspective, large amounts of infrastructure and many buildings, which could have been adopted and reused, have been destroyed. The destruction of heritage and memory, the environmental cost of wilful demolition and the scale, speed of erection and brutality of the new are most of the time too much for communities to absorb. Therefore, revitalising bits of the City that need repair, that need healing is becoming increasingly important.

The subject of the competition will consist of the design of a sustainable community within the regeneration program of the Trent Basin area, Nottingham, UK.

The project will require the development of a sustainable neighbourhood, providing accommodation for 12-15 families and essential services to assure an effective live-work scheme, plus to develop a vision of regeneration of a larger area where this neighbourhood is placed, in which infrastructure, offices, leisure and recreation are conceived to reutilise existing buildings and to provide an effective integration to the city.

All this, with a view to explore a new paradigm of sustainable post-industrial regeneration.

The documentation about Multi-Comfort-House design principles will be provided from local ISOVER, CertainTeed and Izocam organizations.

1.2. Who can participate

Participants are the students of architecture, design and construction engineering from universities in all countries with ISOVER, CertainTeed and Izocam presence.

The participation is limited to university or master program level. All participants must have the student quality at the moment they join the contest.

Participation may be as an individual or in teams of up to 3 persons. Only one project may be submitted per team. One team or one team member can participate in the national stage only one country.

1.3. Awarding organization

The awarding organization is Saint-Gobain Insulation with the participation of national Saint-Gobain ISOVER, CertainTeed and Izocam organizations.

Contact to Saint-Gobain Insulation:

Gabriel Golumbeanu

Saint-Gobain ISOVER

18, avenue d'Alsace, 92400 Courbevoie / France

Tel.: 0033 (0)1.47.62.40.38 / Fax: 0033 (0) 1.47.62.50.48 / Mobile: 0033 (0) 6.78.41.88.59

Email: gabriel.golumbeanu@saint-gobain.com

The contact details for the local ISOVER, CertainTeed and Izocam organization can be found at www.isover-students.com/content/view/91/133/

1.4. Form and organization of the competition

The ISOVER Multi Comfort House Students Contest is a competition that takes part in two-stage:

- **The first stage** is the national contest in each respective country, where the three best entries will be chosen. The first, second and third placed submissions will receive an award at a presentation ceremony.
- **In the second stage**, the three best entries from each country will participate in an international final. This will take place at a gala in Bratislava, (Slovakia) to which the entrant(s) who submitted the project and their professor(s) will be invited. During this event the participating projects will be displayed at the exhibition for inspection and discussion. Furthermore, the authors of the project will have the possibility to explain the concept of the project during a five-minute presentation to the jury and all the participants. All presentations will be webcast live on www.isover-students.com. These presentations will be followed by the jury's deliberations and the award ceremony for the winners. An international jury will nominate the three international winners.

1.5. Prize money

Each of the two stages of the competition has three monetary prizes in money for first, second and third place. Additionally, other prizes might be awarded by the local organization.

- **1st stage – national competition:**
 - Information about the prizes on the national contest stage will be given by the local
 - ISOVER, CertainTeed or Izocam organizations.
- **2nd stage – international competition:**
 - 1st prize €1,500
 - 2nd prize €1,000
 - 3rd prize € 750

At the international stage the organizer may give also awards for special project performances. Each special prize will be awarded 500 Euro.

1.6. Time schedule

National announcement of competition at the respective universities:

Beginning - September 2011

Distribution of invitation for competition submissions as part of an information event:

Beginning - October 2011

Closing date for submissions for the national competition –see point 3.1

March 26, 2012 in Universities (date subject to change based on local stages schedule)

All submissions will be done online at www.isover-students.com

National jury meeting and award ceremony

Completed by May 1, 2012 (date subject to change based on local stages schedule)

Submission of the material for the international stage -see point 3.2

Completed by May 14, 2012

International jury meeting and award ceremony:

May 22-25, 2012 in Bratislava, Slovakia

Further information will also be provided at the lectures held at the participating Universities by the national ISOVER, CertainTeed or Izocam organizations. For more information, please contact your local ISOVER, CertainTeed or Izocam organizations who will provide you with further details.

1.7. National jury

The selection of the national winners will be carried out by a national jury, consisting of representatives of the faculties and employees of Saint-Gobain ISOVER, CertainTeed or Izocam.

The following criteria are recommended for awarding the prizes at national stage

- Design and functional concept
- Achieving ISOVER Multi-Comfort-House criteria
- Sustainability - economic, ecologic and social aspects of the future function and the impact of the design quality
- Correct usage and mentioning of ISOVER products and solutions in the project

1.8. International jury

The international jury will consist of experts in Passiv Haus, sustainable urban design and architecture and ISOVER experts. The international jury will be announced at a later date.

1.9. Transport and travel expenses

The risks and costs of the submission of entries to the national awarding organizations shall be taken over by the participants.

The forwarding of project documentation to the final international gala shall be carried out by the respective national ISOVER, CertainTeed or Izocam organizations. Furthermore, the companies shall bear the entire travel costs, as well as the costs of accommodation and lodgings for the participants at the international gala in Bratislava, Slovakia.

1.10. Legal

Competition participants are hereby informed that the publication of the student projects, as well as the photos taken of the participants at the contest and / or given to the organizer for the contest, have to be accompanied with the transference of the photo and copyrights.

Therefore, competition participants shall retain unlimited copyright on their projects. The submitted documentation shall become property of the organizer (Saint-Gobain ISOVER, CertainTeed and Izocam).

The organizer shall, in addition, receive full rights of use and all participants implicitly agree to the publication of their projects.

Furthermore, competition participants authorize the organizer (Saint-Gobain ISOVER, CertainTeed and Izocam) to use and publish the existing photo material of the participant (photos taken of the participant at the contest and/ or given by the participant to the organizer for the contest) free of charge for an unlimited period of time and media publication. In the case of publication, competition participants may not make any demands to the organizer (Saint-Gobain ISOVER, CertainTeed and Izocam) or a third party.

The decision of the jury is final. All participants hereby accept the incontestable and definitive nature of the jury's decisions.

By participating in the competition, the students acknowledge and accept the conditions laid out in this invitation for submissions.

2. Details of the task

The subject of the competition is the design of a regeneration proposal and the creation of a sustainable neighborhood within this area. This should provide accommodation for 12-15 families, plus infrastructure, office areas, leisure and recreation, as part of the regeneration program, which is based on a new paradigm for sustainable post-industrial regeneration.



Proposed site -air view 2

All building will be designed considering the building physics performance of an ISOVER Multi-Comfort House.

Beside constructional, the social and economic aspects also have to be considered and respected and the buildings designed should give a new impulse in the existing urban area.

The architecture of the neighbourhood has to fit in the surrounding of the site. Urban space solutions for the immediate surroundings of the site will be proposed.

The overall scope of the task is to get actively involved in giving shape to future development

of European cities.

2.1. Specifics of the context

Post-industrial bits of the City with empty buildings, but also some viable businesses, derelict land, but maybe also some homes. Not beyond hope but with unrealised and wasted potential. At the heart of the assignment are the needs of the community they are seeking to support and the creative talent of the architect to whom they look for solutions.

Architects are pivotal to help understand the *genus loci* – the heart and soul of a place. Before developing solutions you need to understand what makes a place tick, not just in terms of physical environment but also in terms of social, cultural and economic dimensions. You need to understand key attributes, both obvious and hidden amid key constraints.

For the actual project not only the building design phase is important but also the concept .

Regeneration paradigm:

Due to actual economic conditions, developers and the public sector seems to have lost interest in regeneration. But that is not the main issue; it is the uncertainty about how to 'do' regeneration anymore and even whether 'doing' regeneration is something that should be done anyway.

How one should set about healing/repairing a bit of the City.

The pre credit-crunch approach in the UK has epitomised in hundreds of master plans, envisaged comprehensive land assembly; wholesale site clearance, extensive new infrastructure and mixed use development – although most of it ended up as new apartments.

From an environmental perspective, much infrastructure and many buildings, which could have been adopted and reused, were torn up. The approach was wasteful and denied the complexity of how Cities work.

Maybe the better solution is to proceed incrementally, adapting, reusing and renewing where possible, allowing time for communities to adjust to change allowing places maybe to find their own solutions.

A slower, more organic and more engaged strategy is likely to result in a better place, a more heterogeneous and interesting place to be.

The challenge is how do we do this?

Where and how do we make these changes that will act as a catalyst, for a better future, that start the gradual transition that will ultimately lead to transformation and healing. We need a new paradigm. The other big problem, moving from a macro to micro scale, is how to build efficiently and cost effective, sustainable housing.

In the UK there are currently around 100,000 homes built per year but there is some consensus that it we should be nearer 200,000 homes.

As a country, the UK has also committed itself to a legally binding target to cut carbon emissions by 50% by 2025. The problem is how to provide for all those extra homes, many of which need to be affordable (executive detached houses are not the priority) and which need to be zero or near zero carbon.

Status quo is not an option and new solutions need to be found. There is plenty of progress being made but it's still unclear whether the right combination of components has been found that will enable the delivery of what's needed.

It is a lot to do with design, with new methods of construction, with new cultures on site and also new models of funding tenure and management.

2.2. Site and Zoning Requirements

The site is located in the Trent Basin, Nottingham, UK, alongside the River Trent (Daleside road to North, Trent Lane to East, River Trent to South, and Poulton Dr to West) and is approximately 175m x 80m in dimension (11,700 m²).

The site exists as part of a wider area (46,232 m²), encompassing a number of depots and warehouses and the basin, and this larger area should be considered as part of the design masterplan (refer to site drawings).



Site plan

The neighborhood is expected to have a maximum height of 3 storeys, with a maximum 'percent of occupancy' (POT) for the construction of buildings to be 60%, with the remainder of the site used for green spaces.

2.3. Space allocation

The new neighborhood should accommodate 12-15 families. The residential function is the only mandatory element of the brief, but participants are encouraged to investigate additional complimentary facilities.

Each single family house (whatever the typology – detached, semi-detached, terraced, apartments, etc) should be designed with a minimum usable area of 120m² and should be provided with some form of external space.

Each participant has the freedom to choose any additional functions that he/she considers as necessary for the development of a successful neighborhood. For example:

- Office space, or live/work functions
- Children's facilities such as day care or a kindergarten
- Communal / recreation facilities
- Others...

A number of existing buildings are present on the site, and these should be demolished as part of the design. However, a number of existing warehouse buildings and depots exist directly around the site and basin and these may be maintained as part of the overall site masterplan- (please refer to the site plan).

Any residential accommodation should be new-build, but additional community functions as outlined above may be integrated into existing buildings (or alternatively be new-build as well).

2.4. Type of construction, technical parameters

The high-performance thermal, acoustic and fire protection requirements have to be considered in order to achieve the ISOVER Multi-Comfort-House criteria. A presentation of the ISOVER Multi Comfort House criteria is available for download at www.isover-students.com. In the course of the competition, lectures on the subject of “ISOVER Multi Comfort House planning and construction” will be held at the faculties.

Participants are expected to undertake calculations on **one single family house** to prove it achieves Multi-Comfort-House criteria (Annual heat demand < 15kWh/m²) using ISOVER Multi Comfort House Designer calculation tool.

- Calculation can also be done using PHPP (Passive House Planning Package)
- Using a repetitive pattern (row or coupled construction design) can be easier to achieve the requested criteria due to a more favourable A/V ratio

2.4.1. Construction

The construction method (load-bearing, wood, steel construction, etc) can be chosen freely by participants, but the integration of ISOVER, CertainTeed and/or Izocam products is strongly encouraged to form part of the construction build-up.

ISOVER shall provide free planning assistance in the form of:

- **Construction CAD details online data base - www.isover-construction.com**
 - First data base in the world containing more than 150 joint construction details, thermal bridge free for 4 different construction systems
 - All these details have been certified by the Passiv Haus Institute and using it assures thermal bridge free construction.
 - The access is free and the application provides: CAD drawings with different download options, components and products, key figures, isotherms, model and materials, air tightness concept



ISOVER Passive House Certified Details

- **Multi Comfort House website - www.isover-multicomfort.com**
 - Concept approach website containing over 160 pages with: Literature, Movies, Reference projects
- **Air tightness website – www.isover-airtightness.com**
 - All relevant information about the air tightness and its importance
- **MCH Designer tool, Brochures** about Multi-Comfort House concept for new construction and renovations: www.isover-students.com/content/view/26/30/

The contact details for the local ISOVER, CertainTeed and Izocam organizations can be found on the official contest website www.isover-students.com/content/view/137/161

2.4.2. Technical parameters for thermal insulation

The main scope is to achieve an annual heat demand $< 15\text{kWh/m}^2$. The envelope components should have the following U-values:

- All opaque external constructions $U \leq 0.15 \text{ W/m}^2\text{K}$, or $R > 38 \text{ (1/BTUIth-1 ft-2 } ^\circ\text{F -1)}$ for compact building shape
- All opaque external constructions $U \leq 0.10 \text{ W/m}^2\text{K}$, or $R > 57 \text{ (1/BTUIth-1 ft-2 } ^\circ\text{F -1)}$ for non-compact building shape
- Windows and doors $U_w \text{ total} \leq 0.8 \text{ W/m}^2\text{K}$, or $R > 7 \text{ (1/BTUIth-1 ft-2 } ^\circ\text{F -1)}$

2.4.3. Technical parameters for sound insulation

Depending on the future function of the building parts the sound protection concept has to be considered. The airborne and impact sound insulation of the residential and non-residential building elements have to be planned according to ISOVER Acoustic Comfort Classes. For more details click: [ISOVER Acoustic Comfort Classes](#)

The following acoustic criteria shall be achieved

Between dwellings (houses):

- Airborne sound insulation between dwellings $D_{nT,w} \geq 63 \text{ dB}$
- Impact sound insulation between dwellings: $L_{nT,w} \leq 40 \text{ dB}$

Inside dwellings (inside the house)

- Airborne sound insulation between the rooms in the dwelling (without the doors) $D_{nT,w} \geq 48 \text{ dB}$
- Impact sound insulation in the dwelling: $L_{nT,w} \leq 45 \text{ dB}$

In practice, sufficient sound insulation for windows and doors, as well as for sanitary installation and ventilation systems should be considered for residential and non-residential usage.

2.4.4. Other technical parameters

Protection against overheating in summer

Sufficient sun protection needs to be planned to reduce summer overheating. The ratio of transparent to opaque components also needs to be taken in account. Furthermore the frequency of overheating of more than $+25^\circ\text{C}$ or $+77^\circ\text{F}$ indoor temperature must be less than 10%.

Fire protection

- All bearing internal and external walls have to achieve at least REI 60 according to ISO standards,
- The roof and ceilings have to achieve at least REI 60 according to ISO standards,
- All non-bearing internal walls between different functions (depending on the function) have to achieve at least REI 30 according to ISO standards.

Natural daylight autonomy

Natural daylight autonomy should be achieved for at least 60%, on a yearly basis.

2.5. Competition requirements

2.5.1. Minimum requirements (obligatory)

The following minimum requirements for descriptions and plans must be considered. Please note, participants are advised to choose appropriate scales for all drawings based on the poster sizes outlined in section 3.1 and 3.2 and the participant's individual design ideas and directions. Participants are advised to choose scales that allow appropriate detail and clarity to be reviewed by the judges.

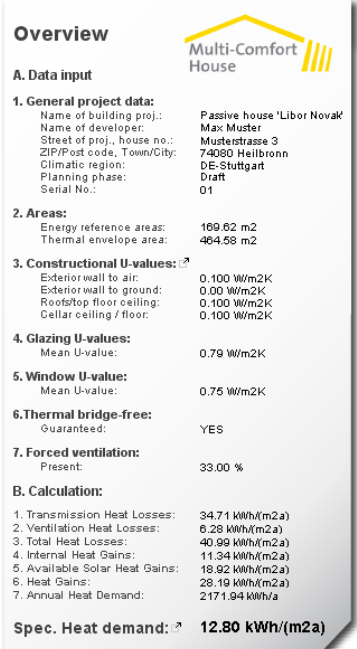
Masterplan

- Plan of the site with urban space solutions for the immediate surroundings (including Trent Basin)
- Visualisations of the experience of living in the proposed neighbourhood

Residential function

The following information should be presented based on **at least one** single-family house

- Typical floor plan(s)
- Cross-section(s)
- Views, perspectives and/or photographs of physical models
- Construction details:
 - Horizontal facade cross-section (suggested scale 1:50)
 - Vertical facade cross-section (suggested scale 1:50)
 - Roof, external wall and ground floor interface details (suggested scale 1:20 / 1:10) including the thermal acoustic and fire characteristics of the detail.
 - Other details can be presented if required.
- Multi-Comfort House calculations
 - The overview specific heat demand (as outlined in the picture on right) as taken from the ISOVER Multi Comfort House Designer should be included in the presentation to prove the residential elements meets the thermal requirements
- Sections
- Perspectives / views
- Any additional information as deemed necessary by the participants



Overview	
A. Data input	
1. General project data:	
Name of building proj.:	Passive house "Liber Novak"
Name of developer:	Max Muster
Street of proj., house no.:	Musterstrasse 3
ZIP/Post code, Town/City:	74080 Heilbronn
Climatic region:	DE-Stuttgart
Planning phase:	Draft
Serial No.:	01
2. Areas:	
Energy reference areas:	169.62 m2
Thermal envelope area:	464.58 m2
3. Constructional U-values: [?]	
Exterior wall to air:	0.100 W/m2K
Exterior wall to ground:	0.00 W/m2K
Roof/top floor ceiling:	0.100 W/m2K
Cellar ceiling / floor:	0.100 W/m2K
4. Glazing U-values:	
Mean U-value:	0.79 W/m2K
5. Window U-value:	
Mean U-value:	0.75 W/m2K
6. Thermal bridge-free:	
Guaranteed:	YES
7. Forced ventilation:	
Present:	33.00 %
B. Calculation:	
1. Transmission Heat Losses:	34.71 kWh/(m2a)
2. Ventilation Heat Losses:	6.28 kWh/(m2a)
3. Total Heat Losses:	40.99 kWh/(m2a)
4. Internal Heat Gains:	11.34 kWh/(m2a)
5. Available Solar Heat Gains:	18.92 kWh/(m2a)
6. Heat Gains:	28.19 kWh/(m2a)
7. Annual Heat Demand:	2171.94 kWh/a
Spec. Heat demand: [?] 12.80 kWh/(m2a)	

Overview MCH Designer

Descriptions

Participants are advised to furnish the necessary text/diagrams on submissions to allow judges to understand the scheme properly. This may include;

- Functional solution
- Design concept
- Energy supply and overall sustainable concept
- Description of construction
- U-values

2.5.2. Optionally documents

In addition, the following may also be submitted (optionally)

- Energy and ecology estimation (energy-pass, eco-pass, etc)
- Usage of renewable energy systems
- Site / Building accessibility

Students may choose to include additional drawings to explain their scheme as they see fit.

3. Formalities for submission

The following formalities have to be fulfilled for the participation to the national and international stage of ISOVER Multi-Comfort-House Students competition 2012

3.1. Formalities for submission - National stage

The participation to national stage will be permitted based on the online registration :
www.isover-students.com/students/

For the national stage of the contest the team should be submitted in:

- maximum 3 posters,
- format measuring 84 x120 cm,
- in project in digital form on a CD.

The poster should be clear and legible and show the project title as well as the name of the participant (or all student names in the case of a team submission).

The contact details for the local ISOVER, CertainTeed and Izocam organizations can be found at www.isover-students.com/content/view/91/133/

3.2. Formalities for submission - International stage

The formalities for the international stage shall be finalized by latest May 14, 2012. Each of the participant teams shall submit to the ISOVER contact person in their country a CD containing the following information:

1. Project in electronic format with the following characteristics:

- PDF file version 8 or lower
- Resolution 300 dpi
- Dimensions of the poster 180cm x 80cm (height 180cm, width 80 cm).

Maximum number of posters that can be submitted for each team 1 (one). The poster of each project will contain the following data:

- Team country (Ex : Austria)
- University (ex : University of Ljubljana)
- Name of the drafter (or all names in the case of a team submission)
- National stage prize (ex 1st Prize)

This data will be used by the local ISOVER organization to print and prepare for each team a roll-up display for exposure of projects during the international stage

2. An electronic presentation of the project. The file will have the following characteristics:

- A Power Point Presentation file, version 2003 or lower, extension PPT. Other file types will not be accepted (PDF, PPS, others).
- The file name should be :Country X_Y Prize, Name1_Name2_Name 3 (example: Serbia, 2nd Prize, Ilian Dragutinovici_Igor Pancic
- Maximum dimension for the file 15 Mb. All presentations that are bigger will be cut until required dimension.

- In case the presentation contains external animated files:
 - the format has to be supported by Microsoft Power Point version 2003
 - the final dimension of all submitted files, not archived, has to be lower than 15MB
- This file(s) will be used during the international stage for the official presentation of the project in front of the jury.

3. Individual pictures with each member of the team in tiff format, colour scheme CMYK, resolution 300 dpi.

4. Three tiff files containing pictures or details of the project in 300 dpi resolution:

- First picture: building's preview (usually 3D model)
- Second picture: architectural plans (graphics, sections, drawings, models others.)
- Third picture: insulations (ideas, drawings etc.)

This data will be used for the edition of the book "ISOVER Multi-Comfort House Students Competition - Best of the Projects 2012".