



A programme of the International Iron and Steel Institute

**3<sup>rd</sup> Living Steel  
International Architectural Competition  
for Sustainable Housing**

**Competition Brief – Part I Regulations  
Russia**

FINAL  
25 January 2008



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## **3<sup>rd</sup> Living Steel International Competition for Sustainable Housing**

### **COMPETITION BRIEF FOR RUSSIA**

The competition brief is composed of two parts;

- Part I Regulations, and
- Part II Programme.

Part I Regulations has a publication date of 28 January 2008.

Part II Programme has a publication date of 18 February 2008.

Both parts of the competition brief may be downloaded from the Living Steel website [www.livingsteel.org](http://www.livingsteel.org) on or after these dates.

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# Part I

## Regulations

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### Introduction

Living Steel is a worldwide programme to promote the use of steel in construction applications. The five-year programme runs from February 2005 through February 2010.

Living Steel aims to identify and use best practices to stimulate the development of creative approaches to housing in steel. This will be achieved through extensive market research, benchmarking, knowledge sharing, and an international competition for architects.

### Article 1 Sponsor of the Competition

The competition is sponsored by Living Steel (the Promoter). Living Steel is a cooperative programme to encourage the use of steel in construction. Members of Living Steel include the steel companies ArcelorMittal, Baosteel, BlueScope Steel, CELSA Group, Corus, Erdemir, IMIDRO, Posco, Ruukki, SeverStal and Tata Steel.

Living Steel is managed by the International Iron and Steel Institute (IISI) on behalf of the programme members. IISI, founded in 1967, is a non-profit research organisation with headquarters in Brussels, Belgium. IISI is one of the largest and most dynamic industry associations and serves as a world forum for the international steel industry.

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### Article 2 Aim of the Competition

The aim of the competition is to stimulate the use of steel in residential housing worldwide. This will be achieved through the competition for architectural design of residential housing in Cherepovets, Russian Federation.

The best design, as chosen by the independent jury, will be built, with the winning firm commissioned for the project in partnership with the local supply chain.

### Article 3 Scope of the Competition

The competition is being launched to develop innovative approaches to meet sustainable housing needs. Underlying the competition is a desire to address the

economic, environmental and social aspirations of a growing world population. It is a population with an undisputed shortage of housing that is fit for purpose and one growing at the rate of a small city each day. The need to address the shortage quickly, cost effectively, and in a way that does not diminish the world's natural environment is increasing.

The competition seeks to find ways to best utilise steel in sustainable housing solutions. The implementation of best practices and innovation in design and construction with steel are sought to demonstrate the value steel offers in meeting society's housing needs. Competitors are encouraged to work with local partners in developing their solutions.

## Article 4 Type of Competition

This competition is a project competition in one stage, open to architects, and teams led by an architect, by invitation.

## Article 5 Competition Language

The competition language is English.

A team invited to participate in the competition may request to present their submission in a language other than English, and if accepted, a translator will be provided.

## Article 6 Competition Schedule

The competition schedule is provided in Table 1.

**Table 1. Competition schedule.**

Date	Event
28 January 2008	Opening of call for expressions of interest
28 April 2008	Deadline for receipt of expressions of interest
6 May 2008	Meeting of the Selection Committee
12 May 2008	Notification of teams invited to participate in the competition
16 May 2008	Deadline for teams to confirm acceptance of the invitation Provision of comments to the Competition Teams based on their expressions of interest to give guidance for preparation of their competition entry
2 June 2008	Public announcement of Competition Teams
6 June 2008	Deadline for Competition Teams to submit questions
13 June 2008	Deadline for distribution of replies to the submitted questions
25 June 2008	Welcome reception for the Competition Teams
26-27 June 2008	Presentations by each Competition Team to the Jury (5 presentations per day x 2 days). Each Competition Team may attend the presentation of the other teams
28-29 June 2008	Design charrette with the Competition Teams divided into four groups to address an issue of master planning
29 June 2008	Competition awards dinner with announcement to the competitions teams of results for the Jury Prize and Architects' Prize

Date	Event
2 July 2008	Public announcement of competition results (subject to change)

## Article 7 Admission to the Competition

The competition is open to:

- (a) Qualified architects registered with the relevant professional body in the Russian Federation where the competition building is to be built,
- (b) Qualified architects registered with the relevant professional body in the other jurisdictions, or
- (c) Students of architecture enrolled in a recognized programme of architectural studies on the provision the other member of the Competition Team meets admission criteria (a) or (b).

Competitors may and are encouraged to collaborate with experts from all those areas where specialized expertise is required during the preparation of their competition entry.

### 7.1 Persons Not Eligible for Admission to the Competition

The following persons will not be admitted to take part in the competition:

- (a) Jurors and Alternate Jurors,
- (b) Previous winners of the Living Steel architecture competitions,
- (c) Members of the Selection Committee,
- (d) Members of the Technical Committee,
- (e) The Professional and Technical Advisor,
- (f) Persons employed by or related to the Promoter of the competition,
- (g) The families of the above persons, as well as persons belonging to any organisation with which the above mentioned are associated as heads, officials or advisors.

Applicants may not receive direct or indirect assistance related to the competition from persons mentioned above except as provided in this competition brief.

## Article 8 Organisation of the Competition

### 8.1 Professional and Technical Advisor

The Professional and Technical Advisor will ensure the competition timetable is respected; he will supervise the registration of competitors, the reception of questions and the dispatching of the promoter's replies to all competitors, and supervise the reception of competition entries. He will control the work of the Selection Committee, Technical Committee, assist the Jury and be present during adjudication.

### 8.2 Selection Committee

A Selection Committee will be appointed by the Promoter and will work under the control of the Professional and Technical Advisor. The Selection Committee will:

- (a) Review the Expressions of Interest received
- (b) Evaluate whether the Expressions of Interest fulfill the mandatory requirements of the Competition
- (c) Select the Competition Teams from the Expressions of Interest received

The Selection Committee will be comprised of architects, both independent of the Promoter and affiliated with the Promoter, as well as other representatives of the Promoter.

The Selection Committee will be guided by a mandate to select a diverse group of Competition Teams from both small and large practices, from different regions and possessing different levels of experience.

At least one Competition Team selection will be reserved for a team from Russia.

**Table 2. Selection Committee members.**

<b>Name</b>	<b>Affiliation</b>
Matthew Teague (Chairman)	Corus Group
Jean-Yves L'Hostis	ArcelorMittal
Petteri Lautso	Ruukki
To be announced	SeverStal
Scott Chubbs	International Iron and Steel Institute
To be announced	Independent Architect
To be announced	Independent Architect

Other Selection Committee members may be appointed at the discretion of the Promoter.

### **8.3 Technical Committee**

A Technical Committee will be appointed by the Promoter and will work under the control of the Professional and Technical Advisor. It will check that entries fulfill the mandatory requirements for the Competition.

The Technical Committee will take no part in the adjudication process, nor may it eliminate any entry. It will point out to the Jury any deviation from the programme or regulations, also with regard to the deadlines established for the Competition.

**Table 3. Technical Committee members.**

<b>Name</b>	<b>Affiliation</b>
Matthew Teague (Chairman)	Corus Group
Jean-Yves L'Hostis	ArcelorMittal
Petteri Lautso	Ruukki

Other Technical Committee members may be appointed at the discretion of the Promoter.

### **8.4 Competition Teams**

Ten Competition Teams will be invited to participate in the competition.

Each team will consist of two people who have partnered to collaborate in the competition. At least one of the team members must be a registered architect as

described in Article 7. The team members may be from the same firm or different firms.

Three alternate Competition Teams will be selected. In the event one of the ten teams invited to participate in the competition decline the invitation, one of the alternate teams will be invited to take their place.

#### **8.4.1 Competition Event**

Each of the 10 Competition Teams will participate in the competition event to be held 26-29 June 2008 in Helsinki, Finland.

##### 8.4.1.1 Competition Presentations

Each Competition Team will present their submission to the Jury on 26-27 June 2008. During the team presentations, each of the other Competition Teams will be provided the opportunity to observe and participate in the discussion.

The duration of each team presentation will be a maximum of 60 minutes with a further 15 minutes permitted for questions and answers.

The order which the Competition Teams present will be determined by a random drawing.

##### 8.4.1.2 Competition Design Charrette

A design charrette will follow the presentations and be held 28-29 June 2008. The Competition Teams will be divided into 4 groups of 5 people and will be charged with a challenge of master planning the Cherepovets development. The design charrette teams will present their solutions the afternoon of 29 June 2008. Each presentation will be a maximum of 30 minutes with a further 15 minutes permitted for questions and answers.

The order which the design charrette teams present will be determined by a random drawing.

##### 8.4.1.3 Competition Venue

The competition event will take place in Helsinki, Finland on 26-29 June 2008.

##### 8.4.2.4 Competition Hours

The mandatory hours for the competition presentations are from 09.00 to 17.00 on 26 and 27 June 2008. Each team must be present in the competition venue during these times.

The mandatory hours for the design charrette are from 09.00 to 17.00 on 28 and 29 June 2008. Each team must be present in the competition venue during these times.

##### 8.4.2.5 Computer Hardware, Software and Internet

Each Competition Team will provide its presentation as a Microsoft PowerPoint file to the Professional Advisor prior to the competition presentations. If a Competition Team desires to use a presentation, or part of a presentation, that is not a PowerPoint file they must obtain approval of the Professional Advisor prior to their presentation and must be prepared to use their own computer hardware and software.

Each Competition Team must provide its own computer hardware and software for the design charrette. Due to the wide range of hardware and software in use by the

architectural community, it is not possible for the Promoter to provide hardware and software for each team during the charrette.

All computer software used by the Competition Teams must be appropriately licensed for use by that team.

The Promoter will provide a printer for use by the Competition Teams, a LCD projector, screen and easels with markers.

High speed internet access will be provided in the venue for use by the Competition Teams.

#### **8.4.2 Team Collaboration**

Each Competition Team may collaborate with other people during the preparation of their competition submission. Other people may include people both within and without the firm(s) represented by the Competition Team.

#### **8.4.3 Substitutions to the Competition Team Members**

The Competition Teams may not substitute a team member listed in the competition entry form without the prior authorisation of the Professional Advisor.

### **8.5 Competition Secretariat**

The Competition Secretariat may be reached at the following address:

Cathy Johnson  
Living Steel  
International Iron and Steel Institute  
825 Elliott Drive  
Middletown, Ohio 45044  
United States of America  
T: +1 513 422 3459  
F: +1 513 422 5294  
E: [cathy.johnson@livingsteel.org](mailto:cathy.johnson@livingsteel.org)

## **Article 9 Anonymity**

This Competition is not an anonymous Competition. Each Competition Team will present their Competition submissions to the Jury and be afforded the opportunity to engage in a question and answer session with the Jury.

## **Article 10 Registration Fee**

No registration fee is payable for entry into the competition.

## **Article 11 Questions and Answers**

Any Competition Team wishing to obtain further information may send questions in writing, by fax or email to the Competition Secretariat. Only questions in English will be accepted. All such queries received within the deadline indicated in the competition schedule will be answered in the form of a circular letter which will be addressed individually to all participants via email. The letter will also be available on the website [www.livingsteel.org](http://www.livingsteel.org). This document will then be considered to be an integral part of the competition brief.

The questions and answers document will also be sent to the Technical Committee and the Jury.

## Article 12 Competition Jury

The Jury will be composed of five members and one alternate. The composition of the Jury is provided in the table below.

**Table 4. Members of the Jury.**

Name	Country	Affiliation
Patricia Patkau	Canada	Patkau Architects
Mark Middleton	United Kingdom	Grimshaw
Alexei Venediktov	Russia	SeverStal
To be announced		
To be announced		
To be announced (alternate)		

Other Jury members may be appointed at the discretion of the Promoter.

### 12.1 Tasks and Responsibilities

At its first session the Jury will elect a Chair from amongst its members. The Jury shall consider the criteria set by the Promoter and may establish its own criteria for assessing the projects. Each member of the Jury has one vote. Decisions of the jury shall be taken by a majority vote, with a separate vote on each entry. In the event of a tied vote, the Chair shall have the casting vote. Decisions taken by the Jury are final.

The Jury will select the prize winner and may note any other teams for particular merit. The Jury will also prepare the final report justifying its choices and including citations and any recommendations it may have for the Promoter. The report will be signed by the Chair of the Jury on behalf of all voting members. This report will be provided to all competition participants and will be posted on the Living Steel website.

Alternate Jurors will attend all jury sessions without having the right to vote, unless called upon to replace a voting member.

If a voting member misses the first meeting, a non-voting member shall acquire his/her vote for the whole period of adjudication. If, for any reason, a voting jury member has to absent him/herself for a brief period of time, a non-voting member shall acquire his/her vote for that period and any decision taken shall be binding. If a voting jury member is absent for a prolonged period or leaves before the conclusion of the adjudication, his/her vote shall be acquired by a non-voting member for the remainder of the period of adjudication.

## Article 13 Adjudication Criteria

The Technical Committee will provide to the Jury its report for each submission on whether the competition requirements are met. The Jury will review projects that do not comply with the competition requirements and decide whether to disqualify the entry. Under no circumstances will the Jury review any documentation in excess of the competition requirements.

The Jury will evaluate each entry according to the following criteria<sup>2</sup>:

- (a) conceptual content,
- (b) innovation in design and use of steel,
- (c) energy efficiency,
- (d) environmental performance,
- (e) economic affordability
- (f) fit with the site and expected acceptance by the community,
- (g) adaptability and reproducibility of the design, and
- (h) ease of construction.

The presentation of each Competition Team should consider the criteria by which the submissions will be adjudicated. Each Competition Team should explain how their design is more sustainable than current housing offerings.

## **Article 14 List of Documents to be Provided by the Promoter**

The Promoter shall provide the following documents:

- (a) The competition regulations, and
- (b) The competition programme, including the site location, climatic conditions, housing type, background information and photographs.

Together, these documents comprise the Competition Brief.

## **Article 15 Competition Documents to be Submitted**

The Competition Teams shall provide the following in their submission:

- (a) PowerPoint presentation (Microsoft Office PowerPoint version 2003 or 2007),
- (b) Summary document of the submission consisting of a maximum of 6 sides of A3 paper formatted as an Adobe® Acrobat®<sup>3</sup> file,
- (c) Images used in the presentation and summary document with each image provided as an individual file of at least 300 dpi (dots per inch) and formatted as a .tif or .jpg file.

Scales used for graphic and presentation documents must be mentioned on all submitted documents. They must take the form of graphic scales.

All submissions must be presented in English and using the metric system.

Any materials submitted other than those stipulated above will not be taken into consideration by the Jury.

### **15.1 Microsoft Office PowerPoint Presentation**

A presentation of the Competition Team's entry must be submitted. The format of the presentation must be Microsoft Office PowerPoint 2003 or 2007. Alternative formats of presentation may be allowed with the prior agreement of the Professional Advisor.

The presentation must include:

- (a) Identification of the Competition Team,

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<sup>2</sup> The adjudication criteria are not listed in any order of relative importance.

<sup>3</sup> Adobe and Acrobat are registered trademarks of Adobe Systems Incorporated.

- (b) The project title,
- (c) A summary of the conceptual approach,
- (d) Description of how the project addresses the adjudication criteria, including an explanation of how the design is more sustainable
- (e) Ability of the design to be replicated,
- (f) A brief explanation of the advantages offered to the home users, and
- (g) A description of the technical details and building process.

## 15.2 Summary Document

A minimum of three and maximum of six sides of A3 paper must be submitted as n Adobe® Acrobat® file. The content of the printed submission is at the discretion of the Competition Team.

## 15.3 Images

Images used in the panels and presentation must also be provided as separate files with one image per file. The minimum resolution of images shall be 300 dpi. Acceptable formats for the image files are .tif or .jpg.

## Article 16 Submission of Entries

Competitors must ensure that their entries are submitted to the Professional Advisor by 17.00 (local time in Helsinki, Finland) on 25 June 2008. No changes to the presentations may be considered after submission. The competition entries should be provided on a USB memory stick.

Late entries will not be accepted for consideration in the competition.

## Article 17 Awards

A total amount of up to €100,000 will be available for prizes and honoraria and will be distributed as noted in the table below. The total amount will be awarded.

**Table 5. Competition awards and honoraria.**

Prize / Honoraria	Number of Prizes / Honoraria	Amount (€)
Jury Prize	1	50,000
Architects' Prize	1	20,000
Honorarium	10	3,000

The Promoter undertakes to pay the honoraria only following receipt of compliant submissions and upon receipt of an invoice from the Competition Team.

The Promoter undertakes to pay the prize money within one month of the announcement of the competition results upon receipt of an invoice from the winning Competition Team.

All fees, taxes, or other expenses related to receipt of the awards by the Competition Teams are the responsibility of the Competition Teams.

If this allocation of prizes is not justified by the quality of the design concepts, there will be no first prize(s) and the Jury may agree unanimously on a different allocation provided that the total amount of prize money remains unchanged and not more than three prizes are awarded.

Upon receipt of the Jury decision, the Promoter may invite the prize winners to revise, if considered necessary, their design concepts in line with the recommendations issued by the Jury and/or additional requirements set by the Promoter. Adaptation and optimisation of the design concepts shall be carried out in close co-operation with the Promoter and the external experts appointed for this purpose. The prize winners asked to revise their design concepts shall receive a fair remuneration to be agreed as reimbursement for their expenses.

The Promoter undertakes to sign the contract for the commission with the first place prize winner within 24 months of the announcement of the results. If no such contract is signed, despite the best efforts of the winning designer, the winner will receive in compensation a further sum equal to the amount of the first place prize.

### **17.1 Competition Event Expenses**

The Promoter shall pay for economy class travel for each of the ten Competition Teams (consisting of two members each) to travel from their home location to Helsinki, Finland for the purpose of participating in the competition event.

The Promoter shall also pay for business class accommodation, meals and transfers while in Helsinki for the competition event, as well as any other reasonable expenses as may be agreed in advance.

The Promoter shall not pay for personal expenses of the Competition Teams (e.g. gifts, tourism, accompanying persons).

## **Article 18 Insurance of Entries**

Insurance of entries during carriage and throughout the competition is the responsibility of the competitors. The Promoter shall provide no compensation for loss or damage of projects submitted, either in transit or after receipt. No compensation for loss or damage is payable by the Promoter.

## **Article 19 Announcement of Results**

The competition teams will be publicly announced on 2 June 2008.

The results of the competition will be announced to the Competition Teams on 29 June 2008. The Competition Teams may not disclose the results of the competition until such time as the Promoter publicly announces the results.

The results of the competition will be announced to the public on 2 July 2008 (subject to change).

Information on the competition submissions by each team and the jury report will be made available on the Living Steel website at [www.livingsteel.org](http://www.livingsteel.org).

## **Article 20 Copyright and Right of Ownership**

The promoter reserves the right to reproduce works, images and designs resulting from the competition submissions, presentations and design charrette, for exhibition, publication and promotional purposes in any form, format or medium now known or later developed, for any non-commercial purpose (including, but not limited to,

promotion of the Competition, the Submission, or the Promoter) and to distribute those reproductions to the public.

All physical material received by the Promoter becomes the property of the Promoter.

The Competitor (or the author of the Submission, if not the Competitor) shall retain the copyright in the Submission unless a specific licence is granted to the promoter or its agents at a later date.

Any dispute, controversy or claim arising under, out of or relating to this agreement and any subsequent amendments of this agreement, including, without limitation, its formation, validity, binding effect, interpretation, performance, breach or termination, as well as non-contractual claims, shall be referred to and finally determined by arbitration in accordance with the World Intellectual Property Organisation (WIPO) Arbitration Rules. The arbitral tribunal shall consist of a sole arbitrator. The place of arbitration shall be Geneva. The language to be used in the arbitral proceedings shall be English.

## **Article 21 Exhibition of Entries**

After the announcement of the results of the Competition, all designs, including those disqualified by the jury, shall be made publicly available, together with a copy of the signed Jury report, on the Living Steel website [www.livingsteel.org](http://www.livingsteel.org). The Promoter may also undertake a physical exhibition of the competition entries at its discretion.

## **Article 22 Return of Projects**

All materials submitted for the competition shall remain the property of the Promoter. No materials will be returned. Competitors are encouraged to retain a copy of their submitted materials.

## **Article 25 Commission for the Project**

After having examined and evaluated the design concepts including any requested revisions, the Promoter shall award the contract for the final design of the demonstration building(s) to the competition winners as chosen by the Jury.

For the purpose of developing the final design for the demonstration building(s), the winner will associate with a local architect of their choice in the event the winner is not licensed to practice in the location of the demonstration building, or is not familiar with the applicable building law and local customs, and subject to the agreement of the Promoter.

The Promoter also reserves the right to commission other Competition Teams, apart from the first prize winners, to realise their competition design(s).

\*\*\*\*\* END \*\*\*\*\*