

XII ThyssenKrupp Elevator Architecture Award

**Istanbul Disaster Prevention and Education Centre
Istanbul, Turkey**

Competition Brief and Conditions

February 2011

Conditions

XII ThyssenKrupp Elevator Architecture Award

Istanbul Disaster Prevention and Education Centre in Istanbul, Turkey

The present conditions are the General Regulations that will govern the proceedings of the Competition for an Architectural Design Idea for a Disaster Prevention and Education Centre in Bakırköy, Istanbul.

They complement the “Recommendations for International Architectural and Town Planning Competitions” – Unesco 1978 – and conform to the stipulations of the Istanbul Metropolitan Municipality and have the approval of the Competition’s Jury and the International Union of Architects, under whose auspices the competition is being held.

These conditions were developed jointly with the Istanbul Metropolitan Municipality Department of Projects.

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A. Forward

This International Architecture Competition is called in order to select the design of an Istanbul Disaster Prevention and Education Centre, which is to be the first institution in Turkey with the intended facilities.

Istanbul Metropolitan Municipality is willing to establish a centre fully equipped with adequate technology and facilities in order to be prepared against a disaster that may affect Istanbul and to develop public consciousness about the disasters and specifically about earthquakes. The centre will also be hosting relevant courses, congresses and seminars.

Equipped with visual and audio educational appliances and simulation systems, the centre will allow experiencing earthquake, hurricane, fire fighting, smoke, liquefaction, tsunami, first aid and emergency communications. It is also intended to offer information to the visitors through a planetarium, library, seminar/meeting halls, information boards, etc. which are to be designed using the latest technology.

B. Competition Brief

B.1 Istanbul City



Istanbul is an important metropolis with a unique geographical location, historical monuments, important cultural and economical potential and wonderful natural scenery. Established where the Asian and European Continents are divided by a narrow strait and built on two continents, it is the only city that the sea passes through. With a history of more than 2500 years, Istanbul has always been an important trading center because of its strategic location.

The Historical city of Istanbul is located on a peninsula, surrounded by the Marmara Sea, Bosphorus Straits and Golden Horn. The Old City is spread over the seven hills of the triangular peninsula surrounded by 22 km of city walls.

The city has been the capital of three great empires, namely Roman, Byzantium and Ottoman Turks, and was ruled by more than 120 emperors and sultans over 1600 years. Istanbul is the only city that has these features.

The foundation of today's Istanbul was established in the 7th century B.C. Rebuilt by Emperor Constantine in the 4th century A.D., the city was transformed to a capital city; since then, it preserved this title for almost 16 centuries, hosting the capital cities of Rome, Byzantine and the Ottomans. One of the centers of Christianity starting with Emperor Constantine, Istanbul was also considered one of the most important cities of the Islamic World, after its conquest in 1453 by the Ottomans.

B.2 Location

Istanbul is located at the junction of the Balkans, Black Sea, Caucasus, Middle Asia, Middle East and Eastern Mediterranean. Located in one of the seven districts of Turkey Marmara Region, connecting the Balkan Peninsula with Anatolia, Istanbul is situated between 28° 01' and 29° 55' East longitudes and 41° 33' and 40° 28' North latitudes. While joining the Black Sea and the Marmara Sea, the Istanbul Straits divide the Asian and European Continent as well as Istanbul City. The province is bordered by high summits of the Kocaeli Mountain Ranges in the East, by the Marmara Sea in the South and by the waterline of the Ergene Basin in the West.

B.3 Culture

Istanbul has held the title of capital city for three great civilizations; this is the city of dialogue where religions, languages, and races have lived side by side in the same streets in peace and harmony. The city of freedom, opened by Sultan Fatih, has seen the end of one age and the beginning of another with its conquest.

Istanbul has been at the junction of great civilizations because of its geographic and strategic location and has hosted the beliefs and traditions of many people. Unique in this sense, the city created a civilization of its own with its history, globally renowned historical artifacts, institutions, culture, and traditions. For this very reason also, it is a city that has been the target of several sieges and which has been sacked and conquered.

B.4 Climate

There is no definite climate type for the whole Istanbul Province. Because of its geographic location and physical geographic features, it has different climactic aspects than the others in similar latitudes.

Being in the low-pressure and high-pressure zones, Istanbul (41 degrees north latitude and 29 degrees east longitude), is on the borders of the subtropical high pressure zone and cold-warm part of the low-pressure zone as well as being subject to terrestrial (dry) trade winds and west winds (humid and rainy) from the sea. With the earth's movement, various climate conditions are experienced in winter and summer.

Throughout the year, three types of weather are dominant in Istanbul. One is coming from the north, one from the south and the other is a more calm weather type. There are four phases according to the seasons; two transition phases of one short and one long with hot and cold periods.

Monthly weather averages for Istanbul

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average high °C	8	9	11	17	21	26	28	28	25	19	15	11
(°F)	-46	-48	-52	-63	-70	-79	-82	-82	-77	-66	-59	-52
Average low °C	3	3	4	8	12	16	18	18	15	12	8	5
(°F)	-37	-37	-39	-46	-54	-61	-64	-64	-59	-54	-46	-41

Source: Weather.com January 6, 2009

B.5 Istanbul: 2010 European Capital of Culture

For its unique historical accumulation and splendid natural beauty, as well as for having successfully organised several international events in recent years, Istanbul was selected as the “2010 European Capital of Culture.”

Preparing for the Capital of Culture title with the efforts of the Metropolitan Municipality, the Istanbul Governorship, and the 2010 European Capital of Culture Coordination Board, the city had been transformed into a city of tourism with conventions, fairs, cultural events, art, and sports activities. Competing with the world’s renowned capital cities in these fields, Istanbul has leaped to the 17th position, up from 49th, in tourist conventions in the last couple of years. Having hosted 43 important conventions last year, the city aim was to be among the top 10.

Renewing its infrastructure in all possible fields, Istanbul had been applauded for its successful hosting of international events, such as the Champions League Football Final Match, Formula 1, Moto GP, Red Bull Air Race, UEFA Final Cup, World Water Forum, IMF World Bank Congress in 2009. Hosting the European Culture Capital, the city was expected to host several global sports, cultural events, and conventions in 2010. FIBA World Championship 2010 and METREX (European Metropolitan Regions and Fields Network) Grand Congress were among the organizations concerned. The greatest goal for Istanbul, which plans to host the World Salon Athletics Championship in 2012, is to host the Olympics in 2020.

B.6 The Site

The site is located in a newly developing area in the Bakırköy district on the European Side of Istanbul and is close to Atatürk International Airport. The Project site is a vacant plot, being used as a car park and covering approximately 27,000 meters square. The site is surrounded by Ayamama Creek, CNR Expo Center, WoW Istanbul Hotel and Airport Shopping Mall. With metro stations located nearby as well as the highway and metro bus lines, the site offers easy access for both the pedestrian and vehicle traffic.

AutoCad drawing and photographs of the site are provided in www.thyssenkrupp-elevator-architecture.com web site.

B.7 Programme

Objectives

- To establish a technology centre, which shall be an example of the “Edutainment” approach and equipped with adequate infrastructure to conduct educational activities towards preparing the visitors against disasters.
- To create a state of the art design which aims to contribute to Istanbul’s urban context.
- To contribute to Istanbul as one of the prominent tourist attractions in the city.

Indicative Development Programme

The competitors shall design a disaster centre and consider the following aspects:

- As per the development conditions defined for this particular plot, the total construction area is limited to 9,450 meters square.
- The proposal shall not include basement floors.
- Considering the civil aviation limits the height of the building proposed shall not exceed 78 meters.
- The concept shall propose the following spaces with the respective areas:

• Liquefaction and Earthquake Mechanism Experiment Room	60 m ²
• Training Performance Evaluation Section	50 m ²
• Exhibition Hall	200 m ²
• Emergency Communication Experiment Room	30 m ²
• Fire Prevention Game	30 m ²
• Orientation Stage	100 m ²
• Planetarium	300 m ²
• Children’s Section	75 m ²
• Medical Room	40 m ²
• 4D Video Display Room	100 m ²
• Earthquake Simulation Section	75 m ²
• 3 Seminar-Training Halls	100x3= 300 m ²
• Conference Hall	450 m ²
• Library	100 m ²
• First Aid Training Room	100 m ²
• Rainstorm Simulation Section	100 m ²
• Fire Fighting Training Room	60 m ²
• Smoke Maze Room	100 m ²
• Administrative Offices	400 m ²
- The concept shall include a lobby serving for entry/exit, waiting and information purposes.
- The concept shall contain a foyer area and a café.
- The concept shall propose the necessary facilities (kitchen, toilets, etc.)
- The concept shall include the necessary fire escape scenarios (emergency exits, stairs, etc.)
- The concept shall include adequate building and energy services such as heating-cooling, generator rooms, etc. and cleaning rooms
- The concept shall include a shelter for capacity of 150 people.
- The concept shall include open and/or closed car parking area/s with a total capacity of 200 cars.
- The designer may consider any appropriate innovative forms, construction techniques, and materials.
- The proposal shall comply with the green building principles where appropriate; townscape and scenic aspects; and wind-force and seismic aspects in the region (we shall provide more info about the wind and codes, etc).

For explanation regarding spaces and the functions please see E. Annex 2.

The capacities are indicative. It is our intention not to provide further details to the participants in order not to limit the design flair of the participants in the competition.

B.8 Related Structural Guidelines

1. Soil Classification;

According to Eurocode 8-C class ($180\text{m/s} < \text{Avs}30 \leq 360\text{m/s}$)
According to NEHRP D class ($180\text{m/s} < \text{Avs}30 \leq 360\text{m/s}$)
According to the Turkish Specification for Structures to be Built in Disaster Areas Z3 class
 V_s (0-30m) average shear wave velocity $600\text{m/s} < \text{Avs}30 \leq 700\text{m/s}$,
According to the Seismic Risk Zone Map Cgs: Moderate Risc Region

2. Basic Wind Speed in Istanbul is $V_b = 45\text{m/s}$ (160km/h)
3. The following documents might be used for static calculations;

Eurocode, ACI, NEHRP, International Building Code,
Turkish Specification for Structures to be Built in Disaster Areas 2007,
Turkish Standards, Specifications and Codes

B.9 Available Documents

The following documents are available on the competition web site
www.thyssenkrupp-elevator-architecture.com

- AutoCad drawing of the site,
- PDF presentation of the Competition Site,
- Photographs illustrating the site and surrounding areas

C. Regulations

The Competition will be an International Open, Ideas, Single Stage, Public, Anonymous, Preliminary Design Competition.

The official language of the competition will be English.

C.1 Competition Promoters

The Group promoting the competition is ThyssenKrupp Elevator, working in collaboration with the Istanbul Metropolitan Municipality. The winning proposal may be built subject to the approval and adoption by Istanbul Metropolitan Municipality.

C.2. Prizes

First: \$100,000 (one hundred thousand US dollars), The Istanbul Municipality may commission the winner to carry out the final design where appropriate. (See Section C.16: Post-competition)

Second: \$50,000 dollars (fifty thousand US dollars)

Third Prize: \$20,000 (twenty thousand US dollars).

Prize-winners will be subject to international tax regulations for the amounts of the award, to be handed over to the winners in Istanbul.

All competitors who submitted acceptable projects, in the opinion of the jury, will receive a diploma accrediting their participation.

C.3 Schedule

The following deadlines will apply:

- 1.- Competition Presentation (Joint Press Conference/Istanbul):
February, 9th, 2011
- 2.- Registration:
February, 9th – April 28th, 2011 (23.59h Istanbul Local Hour = GMT+2.00)

- 3.- On-Line Questions from participants:
April 28th – May 18th, 2011
- 4.- Publication Answers:
By 31st May 2011
- 5.- Last date postage of projects to secretariat or to hand in personally to secretariat:
September, 19th, 2011 (23.59h Istanbul Local Hour = GMT+2.00)
- 6.- Last date for reception of posted projects at secretariat:
September, 30th, 2011
- 7.- Jury Meetings:
October/November, 2011
- 8.- Announcement of Results:
November/December, 2011
- 9.- Competition Exhibition:
November/December, 2011
- 10.- Award Ceremony in Istanbul:
November/December, 2011

At the same time, a period of questions via the internal area of the web will be opened up between 28th of April and 18th of May 2011. These questions and answers will be posted on the internal area of the web and considered an addendum to the competition program.

Questions are to be made in English.

The periods indicated cannot be reduced. If, through “force majeure”, the award had to be made at a later date, the decision would be made public.

C.4 Competitors

Any team led by an architect with a completed degree in architecture and authorized to practice the profession in their respective countries and/or registered in any Association or Society thereof, may enter the competition. The teams may be multidisciplinary but the leader must be an architect.

The very fact of entering the competition implies that the participant knows and irrevocably accepts all the provisions of these competition conditions.

No person forming part of the Promoter Groups, Jury, Coordinators, their members, collaborators, colleagues or employees or close relatives may enter the competition, nor may they make any professional contact with any participants in the Competition phase.

C.5 Registration

Registration will be carried out on-line at a web developed specifically for the competition:
www.thyssenkrupp-elevator-architecture.com

Each participant will receive confirmation of registration via electronic mail.

Competitors will need to fill out a registration form on-line, attaching an image of their national identity document/passport and information on their degrees; in the case of the team leader, an architect, also provide documentary proof of their right to practice their profession in their country. If the alphabet of your certificate is in Cyrillic, Arabic, Chinese, Japanese or Hebrew, you should attach the certified translation of the same. Without the translation the certification cannot be admitted.

There is no registration fee.

C.6 Submission of Entries

All projects will be presented in English. The metric system will be used. Color is permitted.

The projects will be presented in English using a maximum of 5 rigid A1 (84.1 X 59.4) Panels, which will contain a brief descriptive memorandum and graphic documentation necessary for defining the proposal. A written description of the project can also be included, limited to a maximum of 2 A4 pages.

A CD Rom containing all the drawings, plans and report will also be sent to the secretariat. The drawings and plans should be submitted as high-resolution pdf files (300 dpi). The description should be included as a Word Document.

Competitors must follow the UIA specifications of digital files when submitting their projects (See Annex 3).

The sealed identification envelope with the teams' private code on the outer part of the envelope, and the information on the team members inside (See C.7) should also be sent with the entry.

The information should be sent to the coordinating office of the Award:

**ThyssenKrupp Asansor Sanayi ve Ticaret A.S.
ISTANBUL OFFICE - Head Office**

Attn: Ms. Buket Bas Demirtürk

Kaya Sultan Sokak, Hayriye Is Merkezi No: 83

34742 Kozyatagi

Istanbul, Turkiye

Phone: +90 216 571 3700, Fax: +90 216 571 3710

C.7 Procedures for Guaranteeing Anonymity

Each architect or group of architects will only be allowed to present one proposal. The teams are identified by a password which will have a maximum of 5 digits and two letters will be chosen by the members of the team.

A sealed envelope identified with the team's private code should also be included, with the content of the envelope being the names of the team members and collaborators, DNI or passport, address and contact telephone numbers. The envelopes will be controlled and sealed by a Notary of Istanbul, who will have received from the Award's organising body a list of the accepted competitors so that, upon the awarding of the prizes, it will be possible to ensure that the winning teams have been correctly registered.

The identification code should be on all the documentation and CD Roms provided.

C.8 Lodgement of Submissions

Packages would be subject to customs duty. It is advisable to specify that the package has *No commercial value*.

No preliminary design handed in to the competition secretariat or dispatched by the Post Office of Origin after 23.59 h (Istanbul Local Hour = GMT+2.00) on September 19th 2011 will be accepted. The relevant postmarks will certify this date. In addition, dispatched entries must reach the competition secretariat by 30th September 2011.

C.9 Disqualifications

Any preliminary design will be excluded from the competition:

1. If it has been sent in outside the time limit
2. If it shows flagrant inaccuracies, incomprehensible aspects or basic contradictions
3. If it fails to comply with the program as regards atmospheres, functions and capacities
4. If the competitor reveals his identity to the Promoter or Jury or attempts to influence the latter's decision.
5. If the design has been presented by the architect for other competitions. It should be unique.

Only the Jury may disqualify an entry. All entries must be presented to the Jury and the reasons for possible exclusion contained in the report of the preliminary examination that will be presented to the Jury by the Professional and Technical advisor.

C.10 Technical Committee

The technical committee will be appointed by the promoter (the number of members of which will depend on the number of entries submitted) to assist in answering the competitors' questions, check that the entries fulfill the mandatory requirements of the competition and make a short report on each to the jury. This report will be presented by the Professional and Technical Advisor.

The identification code of projects will be recorded by the Technical Committee and masked by a serial number which alone will be visible to the jury.

The technical committee will take no part in the adjudication process nor may it eliminate any entry. It will simply point out to the jury any deviations from the programme or regulations.

The technical committee will be under the control of the Professional and Technical advisor.

C.11 Jury Operations

Jury

Honorary Chairman

Kadir Topbaş
Mayor of Istanbul Metropolitan Municipality

Chairman

Javier del Pozo Portillo
Chairman

Members

Jaume Duró y Pifarre – **UIA representative**
Former Chairman, International Union of Architects

Rafael de la Hoz Castanys
Architect

Dalila ElKerdany
Architect

Nabil Gholam
Architect

Şulan Kolatan
Architect

Mehmet Konuralp
Architect

Manuel (Aires) Mateus
Architect

Antonio Ortíz García
Architect

Süha Özkan
Architect

Han Tmertekin
Architect

Alfonso Vegara
Architect

Ali Rıza Parsa
Architect

Deputy Jury Members

Kortan elikbilek
Interior Architect and Environmental Designer, Istanbul Metropolitan Municipality

Secretary

Kortan elikbilek
Interior Architect and Environmental Designer, Istanbul Metropolitan Municipality

Deputy members must be present at all sessions to replace a titular member should this be necessary.
Jury Secretary will also act as professional and technical advisor to oversee the smooth running of the competition.

At the opening session, jurors will also be asked to certify that they have no knowledge or been involved with an entry.
Should a juror have knowledge of an entry, he/she should abstain from voting on that entry.

There will be a quorum with the presence of a majority of members.

All decisions will be adopted by a simple majority of votes.

In the event of a tie, the Chairman's vote will decide.

The Jury's decisions will be firm, irrevocable and unappealable.

No person alien to the Jury or Organization will have access to the Preliminary designs presented until the final decision has been given, except at the Jury's request.

At the end of its deliberations and prior to opening the identification envelopes, the jury will sign its report that will include their motivation for their choice of winners.

C.12 Judging Criteria

The Preliminary Designs submitted to the Competition will be evaluated by the Jury in accordance with the following criteria and relative levels of importance:

- The visual and scenic character of the design and its integration in the townscape aspects and urban and environmental context
- Sustainability, efficiency and functionality of the design especially accessibility, safety, security, etc.
- Structural integrity of the proposed structure
- Cost and implantation effectiveness
- Any adverse environmental effects

(This evaluation will be made subjectively by each member of the Jury, to the best of his or her ability and knowledge, without having to substantiate it.)

For the better judging of the Preliminary Designs, the Jury is free to call upon the advice of experts.

The experts consulted must not have been advisors to any competitor.

Documentary proof of this circumstance, as well as their reports, must be provided.

C.13 Competition Results

The Competition cannot remain without a winner.

The jury is required to distribute all the money set aside for Prizes.

Once the Final Decision has been given, the Notary, in the presence of the Promoter, Jury and Coordinators will open the envelopes with the names of the team members in order to reveal the identities of the authors of the Preliminary designs.

If any identification were to contain a false statement, the relevant entry will be declared ineligible. In this event, the Jury is empowered to make another award, keeping to the order established in the Final Decision.

Before dissolving, the Jury has to sign a report with the Final Decision covering the list of the Prizes, as well as the critique of each Prize-Winning design.

All the Jury's decisions will be made public within 24 hours following the Final report's signing. The Promoter undertakes to accept the Jury's decision and to pay all the Prizes at the Prize-giving Ceremony, held following the Final Decision, in Istanbul.

Prize-winners will be invited by the Promoter to attend the prize-giving ceremony in Istanbul.

Competition results will be sent to the UIA. The results and the jury report will also be made available to all competitors.

C.14 Exhibition

All entries will be exhibited in physical or electronic form.

The exhibition will take place in Istanbul during a period of at least two weeks.

The date and venue of the exhibition will be communicated to all participants and the UIA.

C.15 Copyright

The copyright of the projects will belong to the authors of the same, although ThyssenKrupp Elevator and Istanbul Metropolitan Municipality reserve the right to use the projects for publication in the press, exhibitions, books, etc. Images of prize-winning entries will also be published by the UIA in their newsletter and website.

The author of the preliminary design placed first will keep his copyright and his work may only be used by the Istanbul Metropolitan Municipality when he has signed the corresponding contract for drafting the corresponding design with the former.

No other preliminary design, whether Prize-Winning or not, may be partially or totally used without the Author's formal consent.

C.16 Post Competition

Istanbul Metropolitan Municipality may engage the winner to prepare the final design and documentation of the winning proposal.

D. Annex 1, Jury Member CV**Jury Members:****Jaume Duró y Pifarre**

Jaume Duró y Pifarre, graduated from the Superior Technical School of Architecture of Barcelona (Spain). He is in private practice in the Catalan capital and intervenes in various public and private sector programmes as an architect and town planner. Jaume Duró Pifarré was President of the Superior Council of Colleges of Architects of Spain and Head of the Spanish Delegation to the Architects Council of Europe (ACE). He was member of the UIA Council between 1990 and 1993 and succeeded Olufemi Majekodunmi as UIA President.

Rafael de la Hoz Castanys

Born in Cordoba, Spain in 1955, Rafael de La-Hoz Castanys is an architect for the Escuela Técnica Superior of Architecture in Madrid, adding to his degrees a Master from the Polytechnic University of Madrid. Since 1999 he directs the studio that takes his name as well as the 65 professionals who work with him.

Awards and honours:

2005: Award of COAM to the Work of the Architects for the building “Junta Municipal de Retiro”.

2005: “Bex Awards 2005” in the category “ Better Technological Building”.

2004: Mention in the Awards of Town planning, Architecture and Accomplishment work.

American Architecture Award for the Chicago Athenaeum, USA.

Dalila ElKerdany

Dalila ElKerdany was born in Cairo, Egypt in 1956. She is a practicing architect and professor of architecture at the Faculty of Engineering, Cairo University. She obtained her undergraduate studies, M.Sc. in Architecture, as well as Ph.D. in Architecture from Cairo University in the years 1979, 1986, 1992. She is involved in research as well as practice in the fields of conservation, heritage, and design. Among her expertise in design is the rehabilitation of historic and valuable buildings. Ms. ElKerdany is a recipient of many competitions’ awards and participated in many national and international conferences on conservation where she presented and published many of her research outcomes.

Awards and honors:

2001: 2nd prize “Bank Misr Annex”, Cairo, Egypt.

1998: Land Mark, Public Art work at the Northern Entrance of Suez Canal, Port Said.

Honorarium Prize “Senderella Tourist Resort”, Mediterranean Sea, Teeba Company for Development.

1996: 2nd prize, Maspero Area Urban Planning, Cairo Governorate.

Nabil Gholam

After completing his graduate studies in architecture (Ecole des Beaux Arts, Paris) and earning a Masters’ degree in urban planning with honors at Columbia University, New York, Nabil Gholam joined Ricardo Bofill’s Taller de Arquitectura to eventually become Senior Partner in charge of international projects. After seven years of living and working in France, Spain, China and the United States, he decided to set up his own practice and founded NG architecture & planning in Beirut in 1994 and in Barcelona in 2006. To date, the portfolio of NG architecture and planning comprises over 200 projects with a consistent history of successful competition entries, and numerous publications and professional awards.

Awards and honours:

2006: Architectural Review MIPIM Future Project Awards ‘overall winner’ award.

NG won the international limited design competition.

2005: awarded by Cityscape / Architectural Review for best retail and best residential future project.

2004: Aga Khan Award and chosen a finalist for the Architecture+House award.

Şulan Kolatan

Şulan Kolatan is principal of KOL/MAC LLC which is a professional architecture and design firm based in New York City and operating internationally. Şulan Kolatan is of Turkish origin and has been educated in Turkey, Germany and the United States. Its director, William Mac Donald, is American and has been educated in England, Germany and the United States. Due to their respective backgrounds, they have established the firm from its inception in 1988 as an international practice with projects, publications, exhibitions and lectures located worldwide. The firm has received many honors including an appointment by the United States State Department to represent the US at its national pavilion at the 9th

International Architecture Biennale in Venice, and a “Forty (best US architects) under Forty (years)” Award. The work produced by KOL/MAC LLC is in the permanent collections of some of the world’s finest institutions: the CNAC Georges Pompidou in Paris, France; the Museum of Modern Art in New York, USA; the Deutsches Architektur Museum in Frankfurt, Germany. Widely acknowledged as a leader in architecture and design for its innovative digital approach, the firm’s current work is focused on linking unique digital design methods to new methods of construction, new technologies of production and a new generation of materials.

Mehmet Konuralp

Mehmet Konuralp was born in Istanbul in 1939. He was trained as an architect at the Architectural Association School of Architecture in London between 1960-65 and concluded his studies in urbanism at Leverhulme Department of Planning and Urban Design of the same school in 1966. He started his own practice in Istanbul in 1968 and worked in many different fields of the profession as a project architect, interior designer, contractor as well as teaching in various universities in Turkey and abroad. Among his major works are Istanbul Highways Zincirlikuyu Facilities, Ordu Sagra Facilities, American Bristol Hospital, Sabah Newspaper Media Plaza, ATV Television and Newspaper Centre, Yemen Marib Valley Design, Çerkezköy ATK Textile Factory, Sabah Gazetesi and ATV Niğanta ı Facilities. He has also designed many residential buildings and interior designs such as Villas in Dragos, Ordu, Bodrum, boutiques, art galleries etc. He served as a jury member and a chairman in numerous architectural competitions and academic activities, including the master jury of the Aga Khan. He has won the National Architectural Award for his design of the Sabah Media Plaza in 1995. The Highways 17.th Directorate building at Zincirlikuyu designed in 1974-75 has been declared as a National Monument in 2003. His projects as well as his professional contributions, essays and lectures are widely covered in national and international publications including Neufert. He was awarded the prestigious “Sinan Grand Award” in 2010 for his lifetime achievements.

Manuel (Aires) Mateus

Manuel Aires Mateus was born in Lisbon in 1963 and graduated from the School of Architecture/Lisbon Technical University, in 1986. He has collaborated with architect Goncalo Byrne since 1983 and with architect Francisco Aires Mateus since 1988. He was a professor at Harvard University in 2002 and has worked as professor at the Accademia di Architettura, Mendrisio, Switzerland since 2001. Among his many awards are included the Premis FAD D’ARQUITECTURA I INTERIORISMO DE 2002 – Finalist (Barcelona, Spain) and the IInd Iberian-American Architectural Biennial – 1st Prize, Mexico City, Mexico.

Antonio Ortiz Garcia

Born in Sevilla in 1948 Antonio Ortiz gained a degree in Architecture from the School of Architecture in Madrid, Spain in 1971. The same year he and Antonio Cruz became partner founding their own practice “Cruz y Ortiz”. He has been taught in prestigious institutions since 1974 under which are the University of Seville, the Columbia University and the Harvard University.

Awards and honours:

2004: Cruz y Ortiz won the Culture Award for the whole of their work, José Manuel Lara Foundation.

2001: Heimatschutz Award, Basler Heimatschutz, Basel.

“Die Besten Award”, Die Kultursendung “B. Magazin” and Hochparterre Magazine, Zurich.

1999: Eduardo Torroja Award, Ministry for Development.

“Audience Award”, Canal Sur Radio.

Süha Özkan

Süha Özkan was born in Ankara, Turkey, in 1945. He studied architecture at the Middle East Technical University (METU) in Ankara, and theory of design at the Architectural Association in London. Dr. Özkan has undertaken extensive research on the theory and history of architecture, design, vernacular form, and emergency housing, and has published over 300 articles and numerous monographs. At METU, he taught architectural design and design theory for fifteen years, and became Associate Dean of the Faculty of Architecture in 1978. Then he was appointed as Vice-President of the university in 1979-1982. He taught and lectured extensively in North America, Europe, Central, South, and Southeast Asia, and throughout the Middle East. He has served as a jury member for many architectural competitions, and as an external examiner for diploma and doctoral assessments at the schools of architecture of the universities of Paris, Lausanne, Zurich, York, Birmingham and Trondheim. With the Aga Khan Award for Architecture in Geneva, Dr. Özkan served as the Deputy Secretary General from 1983 to 1990. He was the Secretary General between 1990 and 2006. He has managed project procurement processes for Troy and Bodrum museums in Turkey and four large scale land development schemes in Almaty and Astana, Kazakhstan. Presently he is Professor of Architecture in Middle East Technical University in Ankara.

Han Tmertekin

Han Tmertekin is a practicing architect based in Istanbul and principal of Mimarlar Tasarım Danışmanlık Ltd. that he established in 1986. Previously, he worked in Paris in the architectural studios of Ahmet Gulgonen and of Bernstein, Chempetier, Vidal. His works include residential, commercial and institutional projects primarily in Turkey, as well as in the Netherlands, Japan, United Kingdom, France, China, Mongolia and Kenya. Mr. Tmertekin was trained in architecture at Istanbul Technical University and completed graduate studies in historic preservation at the University of Istanbul. In addition to his built works, he has been teaching architecture since 1992 at several universities, such as; Harvard University's Graduate School of Design, Istanbul Technical University, Ecole Polytechnique Fdrale de Lausanne, Yıldız Technical University, Ecole Speciale d'Architecture, Istanbul Bilgi University. Mr. Tmertekin's works have been widely published in international architectural journals, including Domus, Abitare, AV, Oris, Architectural Review, L'architecture d'Aujourd'hui, the World Atlas of Contemporary Architecture, the Phaidon Atlas of 21st Century World Architecture etc. A monograph of his recent work was published by Harvard University Press in 2006. He was exhibited in the 2006 Venice Biennale and was awarded Turkey's National Architecture Award in 1998 and 2000 and received the Tepe Centre Architectural Award in 2000. Mr. Tmertekin was presented a 2004 Aga Khan Award for Architecture for the B2 House, a private residence he designed for two brothers in Canakkale, Turkey. He served on the 2007 Master Jury and he is a member of the awards steering committee.

Alfonso Vegara

Alfonso Vegara was born in Alicante, Spain in 1955. He is an Urban Architect with Doctorate in City and Regional Planning. He has been a professor of urbanism in architecture schools in Madrid and Navarra as well as a visiting professor in diverse European and American Universities. He is the author of many books covering territorial and regional themes including "Intelligent Territories" which is a summary of years of investigation over the development of cities. He is currently the President of the Fundacion Metropoli a nonprofit institution dedicated to the investigation of the future of the cities.

Awards and honours:

2000: Distinction "Good Practise", Mejora de los Asentamientos Humanos Habitat, ONU DE.

1997: Prize "Pedro Bidagor" of the Urbanismo Colegio Oficial de Arquitectos de Madrid.

1995: European urban and regional planning Award, Urban Category, European Commission, European Council of Town Planners.

Ali Rıza Parsa

Ali Rıza Parsa is an architect continuing his professional and academic practices in Istanbul. He was graduated from Academy of Fine Arts in 1981 and earned his master and doctorate degrees in Mimar Sinan University. His researches and articles on earthquake and architecture have been presented in various national and international meetings and published in several magazines. Ali Rıza Parsa is also pursuing activities in photography. He participated in many exhibitions between years 2001 and 2008 and opened his first personal exhibition on 2009. Parsa has been teaching graduate and post graduate students in Yıldız Technical University since year 2000. His lectures include subjects such as the earthquake factor and architectural design, structural system design of high rise buildings and rehabilitation of damaged buildings.

Secretary Jury**Kortan elikbilek**

Kortan elikbilek is an Interior Architect and Environmental Designer. He was graduated from Bilkent University in Ankara, Turkey. He earned his Master's degree in Pratt University in New York, USA on Electronic Illustration. He works as an advisor and foreign relations consultant of Mayor of Istanbul, Mr. Kadir Topbař since 2004. He is a member of Project Assessment Committee of IMP (Istanbul Metropolitan Planning Center). Contributing to the 1/100.000 development plan project of Istanbul.

E. Annex 2, Details of Development Program

Following information is provided in order to ensure that the competitors understand the functions and services to be offered in the centre.

Lobby: The lobby shall be the entrance and exit area of the building/s. The area shall be furnished with adequate seats, information desk and boards.

Foyer and Café: The hall shall be used as a refreshment area for the visitors.

Liquefaction and Earthquake Mechanism Training Room: Devices such as the liquefaction display mechanism, which is to explain to the visitors the liquefaction occurs during an earthquake, the seismic waves and tsunami mechanisms as well as a scale model to introduce concept of tectonics shall be presented in this section.

Training Performance Evaluation Section: In this section the visitors will answer quizzes on a screen to evaluate how much they have learned. The section should be located close to the building exit.

Exhibition Hall: Relevant maps and equipments shall be exhibited in this section.

Emergency Communication Experiment Room: In this section the visitors will learn, which division/department they will contact with and how to communicate during an emergency.

Fire Prevention Game: The visitors shall be experiencing fire fighting with using game machines.

Orientation Stage: Before visiting each training area, visitors will be gathered at the Orientation Stage, which shall be located nearby/within the lobby. Registration formalities will be carried out in this section and general information about the Centre and relevant facilities will be presented.

Planetarium: Shall be a theatre with a capacity of 200 people, built primarily for presenting educational and entertaining shows about astronomy and the night sky, or for training in celestial navigation. Natural lighting is not required for this section.

Children's Section: Educational and entertaining films for the children will be presented in this section. Furnished with necessary facilities for child care, play tools and including an attendant room.

Medical Room: Includes a waiting area, doctor and nurse room and a consulting room.

4D Video Display Room: Visitors will watch 3D movies using 3D glasses and experience realistic scenery of the earthquakes. The theatre is furnished with special visual and sound systems and seats. In this section visitors are admitted to the theatre in groups and watching images of real earthquakes, experience and understand the earthquakes and circumstances during an earthquake. Natural lighting is not required for this section.

Earthquake Simulation Section: The intention is to develop consciousness against earthquakes and train visitors about handling the emergency by experiencing simulated earthquakes. This section shall be equipped with necessary technical infrastructure to create artificial earthquakes of various intensities and shall be furnished in form of a living space as to include kitchen, bedroom, etc. Since there shall be two vibration panels of 3 tons each on the floor, the room should be located/ designed as a separate unit. Each panel shall have a capacity of 9 people. Natural lighting is not required for this section.

Seminar-Training Halls: Each hall shall have a capacity of 50 people. Seminars and courses shall be organized in these halls by relevant specialists.

Conference Hall: Shall have a capacity of 250 people. Conferences concerning disaster management in Turkey and abroad as well as relevant activities of Istanbul Metropolitan Municipality will be hosted in this hall. The competitors shall consider a simultaneous translation room and the stage and backstage areas.

Library: The library shall offer knowledge resources regarding disasters and shall be equipped with holograms, touch screens and desks.

First Aid Training Room: Using first-aid dummies, the visitors will practice first aid trainings in this section.

Rainstorm Simulation Section: By experiencing simulated winds and torrential rains, the visitors will learn how to protect themselves from a rainstorm. Rainstorm simulation section shall consist of three sections; Observation area, changing rooms, simulation room. Natural lighting is not required for this section.

Fire Fighting Training Room: In this section the visitors can shoot water using real extinguishers and extinguish a fire on a large screen. The room shall be connected to the area, where the fire extinguishers used in the fire fighting training shall be refilled. Natural lighting is not required for this section.

Smoke Maze Room: The visitors will practice how to escape from smoke generated by fire and develop proper ability to take effective action against such situations. Natural lighting is not required for this section.

Administrative Offices: Rooms of civil community organizations, administration offices, meeting rooms, etc.



F. Annex 3: UIA specifications of digital files to be submitted by competitors.

INTERNATIONAL ARCHITECTURE AND TOWN PLANNING COMPETITIONS

SPECIFICATIONS OF DIGITAL FILES TO BE SUBMITTED BY COMPETITORS
(Annex to article 13)

With a view to publishing the projects on internet and at a later stage to including them in exhibitions, competitors will submit digital files for each panel presented as well as for each of the elements of which it is composed (plan, perspective, section, details, etc.). Each file will be submitted in low and high resolution.

- "low" resolution

Each file will not exceed 500 Ko.

- "high" resolution

If the panels have been designed digitally, provide reproducible digital files at the optimal original resolution

If the panels have been produced "by hand", provide digital files of the scanned elements of a minimum resolution of 360 dpi (dots per inch) corresponding to the real size.

The digital files containing the image of AO panels may be submitted in 120dpi resolution.

Formats accepted: EPS, PSD, TIFF, JPEG (quality >60)

Formats not accepted: CAO/DAO (DXF, DWG, PLT...)