

天津奥林匹克中心体育场 TIANJIN Olympic Center Stadium

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谨 以 此 书 献 给 二 ○ ○ 八 年 北 京 奥 林 匹 克 运 动 会 This Book is Dedicated to 2008 Beijing Olympic Games



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序言

世界瞩目的第二十九届奥林匹克运动会将于2008年8月8日在我们伟大祖国的首都北京开幕。作为北京奥运会足球员 赛的协办城市之一,天津奥林匹克中心体育场即将迎来世界足坛精英,这是值得让每个天津大阶量的重信

天津奥林匹克中心体育场是时代的产物,是决策者、设计者、建设者众手浇筑的丰碑、凝聚了无数人的智慧、心血和汗水。这座盘立于天津市区西南边隅的标志性建筑,风姿绰约,气势恢弘、为津城增添了一道亮丽的风景。贝多芬说:"建筑艺术像我的音乐一样,如果说音乐是流动的建筑。那么建筑可以说是凝固的音乐。"据说,贝多芬在创作著名的《英雄交响曲》时,就曾受到巴黎圣母院等建筑的启示。我深以为然。

在天津奥林匹克中心体育场诸多特色之中,强调以人为本、即功能、流线、布局、设施的安排及内外环境的营造、 替以人为中心、处处给观众和运动员以亲切和关怀、充分考虑使用者的意愿和习惯、我以为、是它最大的特点。

有专家说,建筑是文化领域中最具有时代性、社会性和民族性的因素,它是文化与历史的结晶,又集中地折射了社会生产力,时代精神,民族传统,地域特性以及社会的价值取向。中国建筑文化自古崇尚自然的环境美,讲究"大美不言,物我两忘"的境界,我以为,天津奥林匹克中心体育场,就较好体现了建设者的这种努力和追求。

天津作为国际都市、与奥林匹克运动、奥林匹克文化有着很深的情结。天津出生的著名爱国教育家张伯岑先生1907 年就曾提出中国要创造条件举办国际奥运会、很多奥林匹克运动项目、比如篮球、网球等也是首先传入天津而后传 播到整个中国大陆的。在北京举办奥运会是中华民族的百年梦想。在天津修建奥林匹克场馆、举办奥林匹克比赛、 是天津人民的百年期待。

文化需要传承,文字见证历史。有关部门的同志们在北京奥运会举办前夕,编辑了这本图文并茂的《天津奥林匹克 中心体育场》书籍,希望给后来者留下一些可资借鉴的东西、大家做了一件十分有意义的事情。如果读者仅仅认为 这是一本技术手册,恐辜负了编辑者的初衷。我以为,这是与物质文明建设件生而出的精神文明建设的顾果。

我坚信、未来、像天津奥林匹克中心体育场这样的建筑、一定会不断出现在津沽大地、造福当代、惠及子孙。

孙海麟

天津市人大常委会 副主任 北京奥纽委 委 品

29届奥林匹克运动会组织委员会足球比赛天津赛区领导小组 组

2008年3月161

Preface

The world-famous 29th Olympic Games will debut in the capital of our great country- Beijing on August 8th, 2008. Tranjin as one of coorganizing cities of Beijing Olympic Games football match. Tranjin Olympic Center Stadium is welcoming elites from world football circles. This is something worth gratification of all Tranjin people.

Tianjin Olympic Center Stadium is the offspring of times and the milestone established by decision makers, designers and constructors which agglomerates wisdom, hardship and sweats of countless people. This landmark architecture standing up in southwest of Tianjin urban district, elegant in appearance, grand in vigor, adds to a light spot to Tianjin. Beethoven said, "Architectural art is like my music. If we say music is the flowing architecture, then architecture could be said of solidified music." It is said that Beethoven was once enlightened by architectures like Notre dame de Paris when composing famous Hero Symphony. I have no doubt about that.

Among various characters of Tianjin Olympic Center Stadium. I think the most prominent one is the emphasis of human orientation that functions, streamlines, layout, arrangement of facilities and the creation of interior and exterior environment all center at human by giving and otherwise case and offsetion in details and fully taking the will and habit of users into account.

According to some experts, architecture is the factor characterized with most modernity, sociality and nationality in cultural field. It is
crystallization of culture and history and collectively refracts social productivity, modern spirit, national traditional, local character and social
values. Chinese architectural culture since ancient times upholds natural scenery beauty and emphasizes the realm of silent magnificence and

Tranjin, as an international metropolis, has profound connections with Olympic Games and Olympic culture. The famous patriotic educator Mr. Zhang Boling, who was born in Tranjin, once in 1907 suggested China create conditions to hold international Olympic Games. Many Olympic sports events, such as basketball and tennis ball, are introduced through Tranjin into and spread across Chinese mainland. To hold Olympic Games in Beijing is the dream of Chinese people for a century. To construct an Olympic stadium and hold Olympic events in Tranjin is also the anticipation for a century of Tranjin people.

The culture needs to be passed on and literatures witness history. Comrades of relevant departments edited the book of "Tianjin Olympic Center Stadium" with graphs and texts at the eve of Beijing Olympic Games hoping to leave followers some reference. I think we did a very meaningful job. If readers think of this only a technical manual, I'm afraid that fails to deliver editors' intention. I think this is the great appropriate of spiritual civilization construction accompanied with material civilization construction.

believe firmly that in future, such architecture as Tianjin Olympic Center Stadium will inevitably and constantly appear in the land of

Sun Hailin

Vice-Chairman of Standing Committee of Tianjin People's Congress BOCOG Member

Group Leader of Tianjin Venue of Football Match of the Beijing Organizing Committee for the Games of the XXIX Olympiad

Mar. 16, 2008

序言

天津是2008年年第29届北京奥运会的协办城市。临水而建、依水而起的天津奥林匹克中心体育场是北京奥运会重要场馆之一。在市委、市政府的直接领导下,在全市人民的热切关注和期盼中,经过全体建设人员历时四年的县夜奋战、一座规模宏大、气势磅礴、洋溢着浓郁现代气息的标志性大型体育设施昂然矗立。它是镶嵌在津沽大地上的一颗明珠、是美丽天津城市建设的瑰宝、更是天津繁荣发展、目新月异的象征。值此,谁代表天津市体育局向天津奥林匹克中心体育场的建设者们和为本书的出版付出至勤劳动的同志们致以崇高的敬意和衷心的感谢。

体育设施是体育事业发展的重要基础和根基、尤其是标志性的体育场馆体现了一个城市的综合实力、是城市物质文明、政治文明、精神文明的重要窗口、是衡量一个城市现代化水平的重要标志。近年来、天津体育事业积极适应全市经济发展和社会进步要求、取得了一个又一个突破性成绩、迈上了一个又一个新台阶。天津奥林匹克中心体育场的建成、不仅便我市的体育设施面貌焕然一新、更为天津的群众体育、竞技体育、体育产业在新的更高起点上的超常加快发展创造了更为有利的条件。

天津奥林匹克中心的建设者们在建设天津奥体中心的同时,也给我们留下了一笔非常宝贵的精神财富,那就是坚持 国际一流标准,保证一流质量,达到世界一流水平。在他们身上,体现着奥林匹克"更高,更快、更强"的追求。 《天津奥林匹克中心体育场》所刊载的画面,就是这种"拼第一、要最好"精神的真实写照。

Preface

Finnjin is co-organizing city of the 29th Beijing Olympic Games in 2008. Tanijin Olympic Center Stadium which is constructed close to the water is one of the important stadiums of Beijing Olympic Games. Under the direct leadership of municipal committee and municipal government, in the enthusiastic attention and expectation of all Qingdao people and after four years of nonstop hard work of all constructors, a landmark sports facility of grand scale and powerful appearance with full of modern vigor stands right up. It is a bright pearl infaid in the land of Tianjin, the treasure of beautiful urban construction of Tianjin and more the symbol of prosperous development and rapid changes of Tianjin on this occasion, on behalf of Tianjin sports bureau. I address my highest respect and hearted gratitude to constructors of Tianjin Olympic Center Studium and contrades that have not different efforts into the publication of this book.

Sports facility is the important foundation and basement of the development of sports endeavor, especially a landmark stadium reflects the comprehensive strength of a city; it is the important window to material civilization, political civilization and spiritual civilization of the city and an important sign of the level of modernization of the city. In recent years, the sports endeavor in Tianjin takes the initiative to adapt to the requirements of economic development and social progress to make one and another breaking-through achievement and step up to one and another level. The construction and completion of Tianjin Olympic Center Stadium not only enables the sports facilities in our city to have a brand new look, but also creates more advantageous conditions for the extraordinarily rapid development of mass sports, competitive sports and sports industry of Tianjin from a higher starting point.

As the constructors create Tianjin Olympic Center Stadium, they also leave us a very precious spiritual treasure which is to persist in international first-class standard, ensure first-class quality and achieve world first-class level. From them, we also see the Olympic pursuit for higher, faster and stronger. The pictures of Tianjin Olympic Center Stadium present are real portraits of such spirit as struggling to the top and to be the best.

序言

伴随着一座现代化大型体育设施——天津奥林匹克中心体育场的做然凸现,天津作为2008北京奥运会的协办城市之一,受到国内外体育界和媒体极大的关注和广泛的认同。更多的人在翘首2008年北京奥运会的熊熊火炬途经这里传递的同时、迎候奥运会精彩的足球赛事将在这里拉开战幕。

多少年来,建设一座现代化的体育运动中心,让津城百姓感受到天津经济发展带来的成果,是天津几代人的风愿。 2008年北京奥运会让天津人圆了一个绚丽的梦。

天津奥林匹克中心体育场的建设承载着天津千万人民期盼奥运、参与奥运、奉献奥运的热情与梦想。我院作为奥运 场管建设的直接参与者。设计者在感到骄傲与自豪的同时,更多的是肩负着历史的责任感和使命感。

水——是人类的生命之源,是天津奥林匹克中心建筑设计创意的主题、总体布局充分利用天津市区西南部自然水域 丰富的地理优势、将体育场、馆临水而建、依水而生、巧妙地将建筑形态构成线条流畅、富于张力的水滴、点落在 清澈如镜的碧波之中、构成了一座独特的水上城市景观。展现了天津的地域文化特色、时代风貌和大型体育建筑的 独特风采、集建筑艺术和现代科技完美结合于一体、成为一座可举办国际田径和足球比赛的国际级体育综合体。

为实现大跨度钢桁架悬挑结构、超长混凝土无缝技术、屋面多种材质面板安装等高新技术,以及生态环保和节能减 排的先进理念,在天津市体育局的支持下,在施工单位的全力配合下,设计者勇于创新、集思广益,创作出具有国 际先进水平的奥林匹克中心体育场、实现了"绿色奥运、科技奥运"的可持续发展宗旨。

天津奥林匹克中心犹如一般承载着奥运梦想之舟,扬起五环的风帆,在国人的热望中起航。历史将证明:中国人 民正在用自己的执著与坚韧、凭借自己的国力和创造力,被人世界奥林匹克大家庭、让天津走向世界,让世界聚 焦天津、感受天津的"人文奥运"精神!

在2008北京奥运的圣火即将点燃之际,谨以此书献给关心、支持天津奥林匹克体育中心建设的各界人士,铭记为此 付出智慧和辛勤劳动的设计者和建设者!

刘景樑

With the proud presence of a modern large sports facility- Tianjin Olympic Center Stadium, Tianjin, as one of co-organizing cities of 2008 Beijing Olympic Games, has attracted enormous attention and gained wide approval from sports circle and media of both home and abroad. With more people looking forward to the torch relay of 2008 Beijing Olympic Games and the debut of wonderful Olympic football events here.

For years to construct a modern sports center and let Tianjin people enjoy the achievements made by economic development of Tianjin is a longcherished wish of several generations of Tianjin people. 2008 Beijing Olympic Games makes this colorful dream of Tianjin people come true.

The construction of Tianjin Olympic Center Stadium, concerning with Olympics and national honor or disgrace, carries the passion and dream of tens of million Tianjin people to anticipate, participate in and devote in Olympics. As direct participants and designers in the construction of Olympic facilities, we not only feel proud and honored but more a sense of historical responsibility and mission.

Water, source of human life, is the theme of design conception of Tianjin Olympic Center. The general layout takes fully the geographical advantage of rich natural water resource in southwest of Tianjin urban district: the stadium is constructed close to the water and is delicately designed as if a water drop with fluent lines scattering in the mirror-like water to form unique water sports center. In architectural design, the outline of the stadium of water drop pattern is made fluent, smooth and full of tension so that the stadium, the swimming gym and the completed gym which is able to hold ten thousand people sprinkle on the water in different poses: showing local character of Tianjin, modern demeanor and the unique style of large sports architecture and integrating architectural art and modern technology perfectly into a whole to form an international-class comprehensive sports center able to hold international track and field and football match.

In order to realize extraordinary large-span steel overhanging structure, the new technique of no expansion joints in the stand, the hoisting of fairfaced concrete prefabricated stand boards and overlapping installment of various kinds of roofing materials, with the support of Tianjin sports bureau and full coordination of construction unit, designers dare to innovate, conduct brainstorming By taking full advantage of renewable energies, such as sunshine, rain, geothermal and natural wind and the advanced idea of ecology, environment protection, energy saving and emission reduction, they fulfill the principle of sustained development-Green Olympics, High-tech Olympics.

Like a boat carrying a dream of a century, Tianjin Olympic Center is uplifting the sail with five Olympic circles and about to start its journey in national aspiration. The history will prove that Chinese people, are using their persistence and grittiness and relying on their national strength and creativity to blend into the world Olympic family so that friends of all countries will see the development of Tianjin, China that is walking to the world and attractine all attention of the world and they will feel the People's Olympic spirit of Tianjin.

On the occasion that 2008 Beijing Olympic Games is approaching, this book is dedicated to the people in support of the construction of Tianjin Olympic Stadium. Let's keep in mind firmly the designers and constructors that devote wisdom and hard work into Tianjin Olympic Stadium.

Liu Jingliang

National Investigation & Design Master President of Tianjin Architecture Design Institute Mar. 18, 2008

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