

SPECIFICATION OF PORT INNOVATION CONTEST 2019

1. ORGANIZATION

Innovation contest in “Port Transportation” area will be organized by GARİP & ZEYCAN YILDIRIM FOUNDATION in 2019 with the support of YILDIRIM COMPANIES GROUP and YILPORT HOLDING.

2. OBJECTIVES

- To support innovative ideas in the port industry.
- To prepare the ground for the design of high value added, original and innovative services and products that will increase the competitive power in world markets.
- To disseminate and encourage the R&D and innovation culture.
- To encourage more environmental and safe production.

3. APPLICATION REQUIREMENTS

- a) Undergraduate, postgraduate or doctoral students at universities may participate in the contest.
- b) It is possible to participate in the contest individually or as a group. In group participation, a participant must be identified as a group representative.
- c) There is no age restriction for participants.
- d) A person/group can apply with up to three separate projects. In this case, a separate application form must be filled in for each application.
- e) Garip & Zeycan Yıldırım Foundation has the right to abandon the contest or to cancel the contest at any stage prior to the announcement of the contest result, without any reason, or to not continue the contest in the future. If the contest is canceled or not organized, any project sent or submitted to the Garip & Zeycan Yıldırım Foundation by the project owners cannot be used by the Foundation.
- f) Selection Committee members, rapporteurs, Garip & Zeycan Yıldırım Foundation and Yıldırım Group of Companies employees and first degree relatives of employees cannot participate in the contest.
- g) Applications can not be made on behalf of those who have passed away. However, if the applicant has passed away after he/she has made an application for nomination, the application will be assessed.
- h) Applications for contest are free.
- i) Those participating in the contest shall be deemed to have accepted the provisions of this specification.
- j) Applications to the contest are called projects.
- k) Every project participating in the contest is required to be original and not to have been published elsewhere or have not been awarded in another contest. In the event that this situation is detected in any project after the contest has been concluded, the winning prize and grade will be withdrawn from the contestant/competitors.
- l) Every project participating in the contest reserves the right to use the patent application by the executive company YILPORT HOLDING. During a patent

application; participants of the relevant project are shown as the inventor and/or the inventor person, YILPORT HOLDING is shown as an owner of invention.

n) Applicants who do not comply with the above conditions will not be assessed.

4. THEME OF THE CONTEST

The themes that can be processed within the scope of port transportation are listed below:

- a Productivity and Optimization
- b Safety, Human, Security
- c Big Data, Block Chain, IOT
- d Environment, Green Port
- e Automation
- f Port Infrastructure
- g Port-City Integration
- h Artificial Intelligence

a Productivity and Optimization

Designs aimed at increasing the current performance in operations such as vessels, fields, gates, etc. at the port and using the port equipment and resources in such a way as to obtain maximum benefit will be evaluated.

b Safety, Human, Security

Projects, where human safety and potential hazards and work accidents in port operations using equipment and work machines are prioritized without causing any disruption in the operational flow, will be assessed under this category.

c Big Data, Block Chain, IOT

Digitization-focused projects will be evaluated that allow data to be structured quickly and securely in different areas of port such as operations, logistics, trade, insurance, etc., where operations are controlled on multiple channels and data access is provided from a single pool.

d Environment, Green Port

In line with the idea of a sustainable port; eco-friendly port operations and port management designs will be examined in this category, where the environment is protected and the harmful factors are excluded from the scope of operation-logistics-management and the ecological interests are integrated with smooth port activities.

e Automation

Designs in which the technologies are used, by keeping human participation at a minimum; systematic and self-repetitive equipment and port processes are defined and programmed to follow specific rules and conditions for this purpose will be evaluated.

f Port Infrastructure

Projects aimed at providing the necessary infrastructure technical support to contribute to port activities and logistics network will be evaluated.

g Port-City Integration

Designs aiming at the simultaneous development of cities by the economic activities of the port will be evaluated; as part of sustainable development projects; port activities will have positive impacts on the city in which they operate, and joint designs will be established in areas such as ecological, social, economic, etc..

h Artificial Intelligence

In this category, projects aiming to maximize the chance of success by prioritizing computer informatics in port management i.e. data flow, operation, customer communication and process management in parallel with the developing technology will be evaluated.

5. CONTEST CALENDER

Deadline for Registration and Project Submission	: 26 April 2019
Selection Committee Meeting	: 6-17 May 2019
Award Ceremony	: 14 June 2019

* If there are any changes in the dates, current dates will be announced on www.gzyv.org.tr and www.yilport.com.

6. AWARDS

The winners of the contest will be awarded the project designers who are in the top three. In addition, the Selection Committee may reward projects that decide with an Honorable Mention. Likewise, if the Selection Committee does not find a project worthy of the award, it may leave any of the award levels empty. Money prizes will be paid to the parties within one month from the public disclosure of the degrees. In the case of group participation, the prize money will be divided equally among the group members.

a. Money Prizes

- Grand Prize : 7500 Euro
- Second Prize : 5000 Euro
- Third Prize : 2500 Euro
- Honorable Mention : 1000 Euro

b. Participation in International Industry Event

The winner of the grand prize (in the case of group participation one person as a representative with the common consent of the group members) will be invited to an international sectoral event (fair, conference, etc.) to be paid by YILPORT HOLDING in addition to the money award (The second and third competitors, respectively, are invited in cases where the grand prize winners can not go). The international event to be participated will be determined by YILPORT HOLDING.

c. Design Registration Award

The registration, utility model or patent costs of award-winning designers projects will be supported up to 2000 Euros in order to submit the relevant payment documents. For more information, you need to apply to the contest secretariat.

d. Meeting with Senior Executive Award

The winner of the grand prize will receive a lunch/dinner award with a senior executive of Yildirim Group of Companies.

e. Job and Internship Application Priority

Those who rank in first three in the contest will be evaluated primarily for their job and internship applications to the companies within the YILDIRIM Group of Companies in accordance with their preferences.

7. EVALUATION CRITERIAS

The points to be taken into consideration in the evaluation of the Selection Committee are as follows:

- **Innovation:** The idea is innovative and original.
- **Necessity:** Degree of satisfaction of the proposed solution.
- **Applicability:** The technical and technological feasibility of the project has been made.
- **Contribution:** Economic feasibility and economic contribution.
- **Risk:** Consideration of the risk factors in the project and the existence of alternative solution proposals..
- **Presentation Quality:** The project file is well prepared, supported by visuals, pictures, drawings, fluency of the expression language.

8. PARTICIPATION PROCESS

- a) The specifications of the contest will be published at www.gzyv.org.tr and www.yilport.com. Those who are willing to participate in the contest must first register by filling out the participation form on the site.
- b) The project delivery date is Friday, April 26, 2019. Projects arriving after the mentioned dates will not be evaluated.

9. PROJECT FILE CONTENT

- a) Student certificate
- b) Project introductory file: The project file should be prepared in English. The sections that should be included in the file are listed below:
 1. Name of the Project
 2. Purpose of the Design (400 characters) In this section, the purpose of the design, the problem it solves, the innovation it brings and the target audience are given briefly. It is the summary of the project report.
 3. Anticipated Materials (200 characters), Detailed information on the materials anticipated for design, and briefly reason.
 4. Anticipated Production Technique (200 characters), Estimated production technique and estimated cost information for design.
- c) Project Report (2500 characters), Reports which are composed of maximum 2500 characters in English, explaining the production method and product material in detail, and at which point the proposal make innovation and create added value.
- d) Project Visualizations

- e) Video of the project (avi or mpeg format) (if any)
- f) Your digital project file should not exceed 2GB in size and should not be outside the specified file formats. These specified file types are: Microsoft Office Document Types, Adobe PDF, Compressed File Types (*.zip, *.rar)

10. SELECTION COMMITTEE

- a) The date of announcement of the results of the contest will be announced on www.yilport.com
- b) The selection committee will consist of at least five people. The identities of the selection committee members will be published on www.yilport.com. The contest organizing authority reserves the right to change the members of the selection committee in case of necessity.

11. OTHER MATTERS

- a) Garip & Zeycan Yıldırım Foundation or YILPORT may request the originals of the documents taken during the application when it is deemed necessary.
- b) The submitted project presentation file, project report, project images, and project/film/animations will not include a name/sign/logo that will reveal the identity of the contestants.
- c) Garip & Zeycan Yıldırım Foundation and YILDIRIM Group of Companies will have the right of publishing, archiving, prototyping and displaying 3D prototypes for the participant participating in the contest in a format that they consider appropriate with their projects.
- d) Companies within the YILDIRIM Group of Companies can purchase projects that they consider appropriate. These companies will have a one-year pre-purchase right from the announcement of the results of the contest on the awarded projects.
- e) All legal responsibilities arising from the fact that the designs submitted to the contest are not original, belongs to the contestant.
- f) Participants are deemed to have accepted the conditions set out by this specification.

12. CONTACT INFORMATION

The following address will be used for questions related to the contest:
yph.contest@yilport.com