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DUNDJER

GRAĐEVINSKI KLASTER

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Profile of cluster DUNDJER and its activities:

The main activity is to provide consulting services in the area of construction and project management from the initial idea until the completion of construction.

Cluster provide support for all phases of construction, including research, consultations, design, education, surveillance, construction management and activities related to project closure.

In the IT sector, cluster offers consulting services, support and education for knowledge-based solutions, to all those for whom IT is not the primary activity.

The goal is to help all the members to become more efficient in their work by helping them with master information and communication technology.

In this area cluster covers the entire spectrum: from assisting our members in the development of their infrastructure, both hardware and software, and helping them to adjust it to their needs; to providing possibilities for constant Internet presence through the development of modern and highly functional website.



building **SMART**

Cluster DUNDJER Niš Serbia

Interest of the cluster participants and expected outputs

| Area | Interest of the participants in the cluster | Expected outputs |
|---|---|---|
| 1. Communication and network development | <p>Possibility of cooperation with other companies on the basis of mutual interest</p> <p>Review of available resources in:</p> <ul style="list-style-type: none">▪ Civil engineers▪ Architects▪ Building Materials▪ Planning offices▪ Building organizations▪ Building equipment (machines)▪ Funds▪ Available real estate offer in business and housing | <p>Organization of the conferences, seminars, symposiums, exhibitions and similar activities</p> <p>Providing of unique information system for all the members of the cluster for their needs and for potential buyers needs, through data base about business information, supply and demand of services, equipment, real estate, stuff, engineers, architects, raw material, funds, etc.</p> |
| 2. Human resources development and education | <p>Possibility of further advanced training of the architects, engineers and technicians in the field of engineer informatics</p> | <p>Organization of the specialized training courses according to cluster needs</p> |
| 3. Technological development | <p>To induce quicker receiving of the License ISO Standard 9000 and 18000</p> | <p>Monitoring of the technical and technological achievements in country and abroad interesting for cluster</p> |
| 4. Approach to international market | <p>Analyzing possibilities of disposal of goods and services at the international market.</p> | <p>Offering business, administrative, expert and other sorts of help for cluster members through unique cluster department</p> |
| 5. Financial resources | <p>Applying for favorable credit lines at the banks and other financial institutions</p> | <p>Participating in credit policy creation according to needs and interests of the cluster members</p> |
| 6. Cooperation with state institutions | <p>Organized appearance in front of the state institutions, local communities, chambers</p> <p>Private rights protection against disloyal competition, corruption and nepotism of the state and public institutions</p> | <p>Proposing, caring out and adopting new rules and regulations which has direct influence on the cluster</p> <p>Cooperation with state institutions and competence ministries on partner basis on the issue of civil, economic, legal and common development policy</p> <p>Accomplishing collaboration with chambers, funds and local communities on the issue immediately influenced and interested for the cluster</p> <p>Participating in preparing, producing and concluding branch contracts, monitoring its implementation and proposing changes and amendment</p> |

Joint document of cluster development strategy and vision

In the initial phase and establishment

- Association of enterprises based on specific local and branch conditions
- Concentration of companies in one geographical area
- Association of enterprises based on the same production level

Direction of cluster development

- Identification of all possible cluster members and makers
- Building of the social capital among members
- Rising awareness about the meaning of cluster development and economic association
- Analyzing economic data in the region
- Analyzing cluster comparative advantages
- Drawing scratches of the cluster resources schedule

Assignments of the potential cluster

- Gathering cluster representatives willing to cooperate identified in the scratches of the cluster resources schedule
- Creating central and sector-based cluster management in order to establish communication connections, to define each part and common planning
- Team cooperation in situation analysis in the region
- Decision making on the basis of common analysis and data
- Building of the mutual cluster vision
- Common implementation
- On line consultations for legal, financial and expert matters

How does the cluster works

- Gathering companies specialized for building construction, engineering and planning
- Unification of the specialized working staff in building construction business
- Forming expert groups with assignment to make a scale of norms in all building branches
- Common using of the production resources
- Common investment in research and development
- Common planning and design office
- Common marketing and directions of further development
- Joint education in the field of new technologies
- Consultations and conferences about standard implementation ISO 9000 and ISO 18000
- Defining of electronic communication system inside of the cluster
- Specifying experts for international cooperation and common access abroad
- Consultations about taking part in international tenders (FIDIC)
- Participation in international symposiums and conferences
- Consultations about environment protection in building construction
- Cluster institutionalization
- Ratification of model framework code of ethics and code of conduct
- Signing contract of cluster establishment

Building SMART SERBIA 2008

| Birocracy and Staff | Structural design | Management | Business | Information system | Education, training, research, development |
|--|---|---|---|--|--|
| <ol style="list-style-type: none"> 1. Institutionalization 2. Adoption of cluster rules and regulations 3. United accounting department 4. ON LINE business and technical services 5. United transportation and marketing 6. United suppliers and services 7. Establishing managing board, sectors and full-time staff of the cluster 8. Cluster equipment: ADSL, provider, furniture, PC, software license 9. Establishing legal support (building construction law and international law – FIDIC) | <ol style="list-style-type: none"> 1. Planning office <ul style="list-style-type: none"> - architecture - statics - instalatouns - computational planning 2. In-door architecture 3. Energy efficiency 4. IT technology build on housing and business space (internet, cable TV) 5. Environmental engineering | <ol style="list-style-type: none"> 1. Office management, control of the material, labor staff, time consumption, building ground management, working process management and technical records management (building diary) <ul style="list-style-type: none"> ▪ MS Project ▪ My Office ▪ Primavera 2. Draft and preliminary estimate, dynamical plan, maintenance 3. Intelligent building – Building SMART 4. ISO standard 5. Building maintenance 6. Quality management | <ol style="list-style-type: none"> 1. In home country: Opening agency in: <ul style="list-style-type: none"> ▪ Belgrade ▪ Aleksinac ▪ Pirot ▪ Soko banja, ▪ Vranje... 2. Abroad: Opening agency in: <ul style="list-style-type: none"> ▪ Kazakhstan, ▪ Russia, ▪ Austria, ▪ Germany 3. Applying for favorable credit conditions at the bank 4. Organized appearance in front of the state institutions and public institutions 5. Supplying permanent financial support | <ol style="list-style-type: none"> 1. Cluster Website 2. Member web sites 3. Data base of: <ul style="list-style-type: none"> ▪ Civil engineers ▪ Architects ▪ Building Materials ▪ Planning offices ▪ Building organizations ▪ Building equipment (machines) ▪ Funds ▪ Available real estate offer in business and housing 4. City of Niš digital map with marked building grounds 5. IAI – building SMART (AEC/FM) | <ol style="list-style-type: none"> 1. Research, development and education in new technologies 2. ISO Standard 9000 i 18000 3. Licenses 4. Specialized training, software 5. Scholarship 6. Master study 7. Doctor study 8. International contract (FIDIC) 9. Conferences 10. Expert meetings 11. Symposiums 12. Building fairs and exhibitions 13. Cluster informer 14. Civil engineering dictionaries |