**One-page expertise description**

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| Organisation | Eindhoven University of Technology, Department of the Built Environment, Urban Systems and Real Estate (USR) Unit |
| Address | P.O.Box 513, 5600MB Eindhoven, The Netherlands |
| Type of partner | Research Center |
| Website | http://www.tue.nl/en/university/departments/built-environment/research/research-programs/design-and-decision-support-systems/ |

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| Contact person | dr. ir. Brano Glumac |
| Email | b.glumac@tue.nl |
| Telephone | +31 40 247 3349 |
| Function | University Lecturer |

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Topic(s) of interest: Energy District Efficiency; Urban Development and Planning; Decision Support Systems.

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| Headline: We would like to contribute to consortium by developing a decision support system that will provide an optimal urban development solution (technical, legal and financial) addressing energy district retrofit. |

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| Potential contribution:The main objective is to contribute to better economical operation of the buildings retrofit by understanding and engaging technical possibilities, different stakeholder interests (e.g. financial) and legal requirements. In addition, solution should be transferrable for urban district in different socio-institutional context.Therefore key activates would be to provide suitable methodology: to capture the technical possibilities for sustainable energy production and usage in a generic urban district; to indicate various interest and related payoffs of participating stakeholders (e.g. comfort, property value increase, energy efficiency level); and to integrate solution according to energy and municipal legal requirements.Expected result would be an operational generic decision support tool by which beneficiary stakeholder would reach an optimal decision regarding the choice of energy upgrade of an urban district.The main role would be to support project leader in developing a decision support system. |

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| About Research Group:The USS unit deals with teaching and research in the field of planning, development and management of cities and large-scale urban projects. The Times World University Rankings of 2013-14 ranked TU/e at 106, and it scores highest for industry partnerships. The unit has four chairs: Construction Management and Engineering, Urban planning, Design Systems, and Real Estate Management and Development. The unit consists of 76 employees. Among them, there are 34 scholars, 34 PhD students, 4 other research staff and 4 support staff. In addition, the unit attracts around 80 students and amongst them around 10% are international students. |