

Table 1 Internal and external factors affecting the water intake system Bezdan

SWOT	Internal factors	Impact	External factors	Impact
P	<ul style="list-style-type: none"> • Change of development policy within the system 	+,-	<ul style="list-style-type: none"> • Influence of the stakeholders in the Gornje Podunavlje natural reserve • Influence of EU and especially countries in the Danube basin on the Danube River area of protection and management 	- +,-
E	<ul style="list-style-type: none"> • Change of economic conditions within the system • Price of constructing and/or reconstructing the system • Maintenance costs of the Bezdan water intake structure 	+,- - -	<ul style="list-style-type: none"> • Global and local changes in economic conditions • Economic development of system environment under the influence of the system • Development of new activities in environment • Maintenance costs of the Danube-Tisza-Danube and regional hydro-system 	+,- + + +
S	<ul style="list-style-type: none"> • Change of social conditions within the system • Increase in the number of employees in the system • Raising the educational level of employees in the system 	+,- + +	<ul style="list-style-type: none"> • Global and local social changes • Social development of the local community • Prevention of population loss related to migration • Increase in the number of employees in local communities • Improvements in education of the local community population 	+,- + - + +
T	<ul style="list-style-type: none"> • Capacity of the system • Quality of the construction • Qualification level of employees 	+ + +	<ul style="list-style-type: none"> • General technical and technological changes 	+,-
L	<ul style="list-style-type: none"> • Changes in the internal legislation • Compliance and enforcement of the legislation 	+,- +	<ul style="list-style-type: none"> • General changes in legislation 	+,-
E	<ul style="list-style-type: none"> • Reducing the amount of mud in the water intake structure, the Danube-Tisza-Danube network, and the regional hydro-system 	+	<ul style="list-style-type: none"> • Increase of dissolved oxygen in the water • Changes of global conditions, the level of protection, and boundaries of the protected areas • Impact of pollutants on ecosystems, land, water, and air • Noise impact on flora and fauna • Violation of the visual scenery of the Gornje Podunavlje natural reserve 	+ - - - -

- = negative impact

+ = positive impact

to mention is that in the case where the factor has both a positive and negative influence, it is important how this impact is mathematically modeled. For example, the external influence of the Gornje Podunavlje natural park stakeholders on the water intake structure can be