

PROGRAMMATIC CONTENT AND QUANTITATIVE PARAMETERS

Table A7.1. General goals and features of science centers (aFRONT Spatial Innovation Institute, 2018)

- Contributing to the promotion and popularization of science;
- Fun and didactic learning;
- Interactive and open exhibitions;
- Organizing training programs for teachers/students/youth;
- Showcasing scientific and technological growth and its application in different industries;
- Showcasing and testing innovations and providing innovators with their first credentials on the market;
- Engaging the local community, networking, and connecting with visitors;
- Providing a transdisciplinary platform for other activities in the field of education studies, including social sciences, arts, and culture;
- Establishing for-profit and non-profit relationships as part of exhibition development;
- Enabling the involvement of corporations and providing space for cooperation between experts and entrepreneurs on the development of new technological, design, marketing, and other business solutions;
- Raising visitor awareness of the importance of sustainable mobility by reducing the number of parking bays for motor vehicles and promoting alternative access routes;
- Adding to the tourist attractions of the city, as well as the entire country.

Table A7.2. Potential topics for exhibitions and programs in the Science Center

Sea: seamanship, shipbuilding, navigation, oceanography, mariculture, etc.
Energy: green energy, gas, wind, sun, and other energy sources
Health: medicine, pharmacy, and chemistry
Environmentalism: environmental protection, organic farming
Building: architecture, civil engineering, and transport
Information technology: computing and telecommunications
The industrial history of Split

Table A7.3. Quantitative parameters of the Science Center

Parcel area:	approx. 14,200 m ²
Floor area ratio (FAR)	$6,622 \text{ m}^2 / 14,200 \text{ m}^2 = 0.47$
Building coverage ratio (BCR)	$4056 \text{ m}^2 / 14,200 \text{ m}^2 = 0.29$
The area of Kodl's buildings	$322 \text{ m}^2 + 130 \text{ m}^2 = 452 \text{ m}^2$
Gross Building Area (GBA)	$3604 \text{ m}^2 + 452 \text{ m}^2 = 4056 \text{ m}^2$
Road and pedestrian access	From the Solin-bound road (Solinska cesta)

Table A7.4. Quantitative parameters of spaces that belong to the Science Center's open regime

Entrance hall	320 m ² (cca.)
Wardrobe	30 m ²
Toilets (staff, guests, cafeteria)	30 m ² + 50 m ² + 30 m ² (cca.) = 110 m ² (cca.)
Gallery (temporary exhibits)	320 m ² (cca.)
Thematic galleries (permanent exhibits)	620 m ² (cca.)
“Technologies of the Future” pavilion	300 m ² (cca.)
Demonstration center (showroom)	200 m ² (cca.)
Outdoor exhibition, science park	420 m ² (cca.)
Mini experimental workshop	60 m ² (cca.)
Library + study room	80 m ²
Study room	80 m ²
Polyvalent hall + storeroom	320 m ² + 80 m ²
Media center	50 m ² (cca.)
Virtual hub	80 m ²
Gift shop, bookshop	80 m ² (cca.)
Cafeteria/canteen	160 m ² (cca.)
Parking slot minimum (1 parking space per 100 m ² of total area of the Science Center)	2 buses, 54 cars, 50 bicycles
TOTAL AREA	3310 m²

Table A7.5. Quantitative parameters of spaces that belong to the Science Center's semi-open regime

Entrance space for employees (toilets + cloakroom)	80 m ²
Conference hall (capacity of 15 to 20 persons)	100 m ² (cca.)
Science Center staff offices	200 m ² (cca.)
Museum director's office	30 m ²
Museum assistant director's office	20 m ²
Custodians' offices (x3)	3 x 12 m ² = 36 m ²
Conference hall (meeting room)	50 m ²
Administrative offices (x2)	2 x 27 m ² = 54 m ²
Informatics, graphic designer, PR (offices)	36 m ²
Finances, documentation (offices)	30 m ²
Shared kitchen + lounge	10 m ²
Library archive, documentation	80 m ²
Space for examining museum exhibits	20 m ²
Storage spaces for museum documentation	40 m ²
Temporary repository	100 m ² (cca.)
Laboratories (physics, chemistry, biology)	3 x 65 m ² = 195 m ²
Custodial and preparatory workshop (fab-lab)	160 m ² (cca.)
Workshop for the technical preparation of exhibitions	80 m ²
TOTAL AREA	1321 m²

Table A7.6. Quantitative parameters of spaces that belong to the Science Center's closed regime

Space for the delivery and dispatch of museum exhibits	80 m ²
Space for the disposal of waste and packaging materials	20 m ²
Warehouse for storing delivered museum exhibits	80 m ²
Quarantine	80 m ²
Disinfection and disinsection chamber	50 m ²
Warehouse of unprocessed museum exhibits	80 m ²
Museum documentation archive	20 m ²
Photo lab	50 m ²
Vaults	20 m ²
System engineer	15 m ²
Central engine room	20 m ²
Wardrobe	30 m ²
Machine room	30 m ²
Boiler room	30 m ²
Heating substation	20 m ²
Airconditioning (air purification chamber)	30 m ²
Airconditioning system	70 m ²
Sprinkler station	10 m ²
Main electrical circuit breaker panel	10 m ²
TOTAL AREA	745 m²