



Principals are often unable to assess the possibilities for their building objects and whether the construction meets the requirements based on their wishes.

Municipalities, caretakers, building owners, owners' associations, etc. are eager to respond to the government's intention to achieve various environmental targets, such as a reduction of CO₂ emissions. All kinds of environmental aspects play a role here: reducing heat loss, generating sustainable energy, using recycled and recyclable materials, etc. The outer shell of a building offers perfect options: the possibility to increase the insulation value of the partition construction, or to install a vegetation finish on the roof and facade, allowing a contribution to be made to reducing the discharge peak of the rainwater drains to the sewers, preventing the 'heat island' effect, increasing biodiversity, binding particulate matter, CO₂ and NO_x, and many more positive contributions to the environment and the living conditions. The part of the construction facing the sun is also highly suitable for generating power or heat using solar energy systems.

Roof Analysis for Multiple Use of Space

The Roof Analysis for Multiple Use of Space is an addition to the basic inspections performed by BDA. A Roof Analysis for Multiple Use of Space is used to identify the possibilities for the principal and to find a balance between the financial capacity of the principal and the efficiency of the investments in relation to the sustainable functioning of the roof and the facade by optimising:

- the insulation value;
- (sustainable) use of materials in the roof and facade construction;
- the construction, to ensure that the vegetation finish suits the theme and question, either with or without energy systems;
- the environment in which energy systems are installed.

The Roof Analysis for Multiple Use of Space is suitable for both existing buildings and new development projects.

Having invested in knowledge of the available systems at an early stage, BDA now acts as a leading company in this field. Close collaboration between all the specialists and disciplines within the BDA Group allows the principal to specify the environmental policy of its organisation in a responsible manner.

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When is environmental advice required?

BDA Environment is committed to your living environment. In addition, it is highly important to provide professional recommendations on the structural design of the roof or facade construction and the vegetation finish, and the application of the correct materials in order to achieve a system with the highest level of sustainability. 'The highest level' also means that due consideration is given to the way in which a combination of a vegetation finish and energy systems can be used to obtain a layout on the roof and facade that suits the load-bearing capacity of the construction, the environmental factors of the roof and the building, including the aspects that require priority due to the local requirements and that fit the use of the building.

An insight can be provided into the savings gained in terms of energy consumption, reduction of CO2 emissions, reduced load on the sewers, costs for developing the systems and efficiencies of the various systems in relation to the environmental factors.