



Bringing Nature Back to Town

International
Green Roof
Association



Global Networking for Green Roofs

Green Roofs have become a very important component of sustainable urban development within the last 30 years. At present, Green Roofs can be found in nearly all big cities around the world, benefiting the urban environment and their inhabitants.

In order to guarantee lasting function, extensive Green Roofs, simple intensive Green Roofs and intensive Green Roofs are all based on the same principles: high quality materials, professional planning and installation, state-of-the-art technology and acknowledged guidelines.

An international exchange of ideas and technologies within the Green Roof sector, therefore, is not only desirable, but simply a necessity with regard to efficient environmental strategies. The International Green Roof Association (IGRA) offers the platform for the worldwide promotion and dissemination of ecological Green Roof ideas. Join the Green Roof network and get inspired by an architectural style which combines ecology, economy and aesthetics!



The International Green Roof Association (IGRA)

The basic idea behind the IGRA is the support of the Green Roof market on an international level by sharing knowledge and experiences in the field of Green Roof technology and public relations.

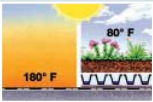
IGRA's targets are:

- Worldwide promotion of the ecological Green Roof idea as a tool for sustainable, regional and urban development.
- International knowledge transfer in the field of Green Roofs.
- Sensitisation of the population and political decision makers through publicity campaigns.
- Stimulation of international standards for good practices and reliable Green Roof technology.
- Promotion and active support of national Green Roof campaigns by IGRA members.

IGRA's services include:

- Consultation
- Networking
- Newsletters
- Workshops
- Conferences
- Public relation

Private Benefits of Green Roofs



Increased Roof Life – The lifespan of the waterproofing under a Green Roof can be doubled in comparison to bare or gravelled roofs.



Reduced Noise Levels – Green Roofs reduce sound reflection of the roof surface and improve sound insulation within the building.



Energy Savings – Green Roofs have the ability to buffer temperature extremes and improve the buildings energy performance – as natural thermal insulation in winter and heat shield during summer months.

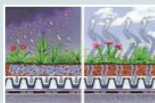


Use of Space – Green Roofs offer various possibilities for usage, including: natural refuges for insects and plants, recreational roof gardens, roof cafés, and sporting areas.

Public Benefits of Green Roofs



Natural Habitat for Animals and Plants – Vegetated roofs can compensate for lost green areas and create lively and vigorous places for flora and fauna within sterile city centres.



Stormwater Retention – Green Roofs can store 50–90% of the rainwater received and return it through evapotranspiration directly into the natural water cycle.



Urban Heat Island Effect – Landscaped roof surfaces decrease the “urban heat island effect” through energy consumption by the evapotranspiration of rainwater.



Reduction of Dust and Smog Levels – One square metre of Green Roof can filter approximately 0.2 kg of aerosol dust and smog particles per year.

Green Roof Technology

Extensive Green Roofs

Low maintenance extensive Green Roofs provide numerous positive effects for buildings, inhabitants, and the environment.

Intensive Green Roofs

Roof gardens offer additional living space and a wide range of design options with lawns, perennials, shrubs and trees.

Green Roofs and Solar Energy

The combination of Green Roofs and solar energy implies synergetic effects with regard to the installation and effectiveness of the photovoltaic and solar panels.

Sloping Green Roofs

Green Roofs can be installed on sloping roofs as long as special technical requirements for shearing forces and erosion protection are taken into account.

Walkways and Driveways

Landscaped roofs and underground garages can integrate walkways, driveways and even playgrounds.

Fall Protection Systems

Various systems provide fall protection by using the weight of the Green Roof system build-up and also avoiding the penetration of the waterproofing.



Green Roof Architecture Worldwide



Terminal Building, Airport Ibiza; Spain



High Line Park, New York City; USA



Diadem Club House, St. Petersburg; Russia



Private House, Vila Nova de Gaia; Portugal



Van Dusen Botanical Garden, Vancouver; Canada



Roof Garden Comturey, Island Mainau; Germany

Explore the Nature on Rooftops



Subaru Headquarters; Singapore



Boathouse, Kirovskoye; Ukraine



Kanyon Center, Levent, Istanbul;
Turkey



Green Roofs + Photovoltaic, MTZ
Munich; Germany



Rooftop Farm Zuidpark, Amsterdam;
Netherlands



Moorgate Crofts, Rotherham;
Great Britain



Tschuggen Bergoase, Arosa; Switzerland



Karela Office Park, Paiania; Greece



English International School of Padua;
Italy



Stavanger Forum, Stavanger; Norway



Podlasie Opera and Philharmonic
Hall, Bialystok; Poland



Tivoli Congress Centre,
Copenhagen; Denmark

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