

d [Dammacco](#)
Giada
ITALY



Giada Dammacco graduated in Industrial Design from ISIA Roma, Italy. She is the lead designer of Grado Zero Espace company. She has contributed to different European projects in field of wearable computing and smart textile such Wearit@Work or Spacebra for example. She is in charge of the development of intelligent garment for well being by means of applying space technology. She is focused on how the design can improve the quality of life as well as the human factors related to the new materials and technology applications. Her creations are expression of the tangibility of innovation in Grado Zero Espace research activity.

contact info

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selected links

[GRADO ZERO ESPACE](#)

> The mission of the company is to develop new materials and technologies for industry transfer with the aim to improve quality of life and work. The company acts as a go-between among many industrial branches and research fields.

selected objects



'K-cap' Balaclava

DESIGNER
[Giada Dammacco](#)

PRODUCER
[Grado Zero Espace](#), Italy
2006

MATERIAL
fabric

Courtesy [Grado Zero espace](#)



K-Cap is a balaclava designed especially for high altitude use. It consists firstly of a memory membrane fabric, which modifies its physical structure according to variations in temperature, copying the behaviour of the human skin. Secondly, it has two layers of bielastic fabric that render the structure active, allowing complete freedom of movement.

'Space' Bra

DESIGNER

[Giada Dammacco](#)

PRODUCER

[Grado Zero Espace](#), Italy
2006



Courtesy [Grado Zero Espace](#)

MATERIAL
fabric

Space Bra is a wearable vital-functions monitoring system which embraces three sectors, medical area, sports area and fashion area. The idea was to develop an undergarment designed to safeguard health and guarantee comfort. The bra becomes a kind of personal assistant capable of providing information about the present state of health of the person wearing it.

The idea is to imagine different types of users and different use interfaces and take advantage of the conductor and superelastic property of the Shape Memory Alloys to pick up changes in form occurring in certain places when certain diseases break out (medical area), to check heartbeat (sports area) and to change shape of the material to provide more or less support (fashion area).



Courtesy [Grado Zero Espace](#)

'Hinoki LS' Fibre

DESIGNER

[Giada Dammacco](#)

PRODUCER

[Grado Zero Espace](#), Italy
2008

MATERIAL
fabric



To rediscover natural fibres means to GZE investigating on the characteristics and peculiarities which these fibres are able to give to the final fabric, and paying attention to the environmental friendly and healthy for man themes.

The idea of weaving the Hinoki fibre was born from these perspective; it is a eastern cypress whose fibre holds particular properties which make it fit for the use in clothing.

Thanks to the contamination between different cultures we have achieved a fabric of intrinsic anti-bacterial and antiseptic properties. Moreover, thanks to the well-known relaxing properties of Hinoki, this fibre becomes a 'therapeutic' instrument according to the feng-shui principles, ancient Chinese art where the effect of the materials becomes important for man's well-being in the surrounding environments.

'LQ' Jacket

DESIGNER
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PRODUCER
[Grado Zero Espace](#), Italy
2006

MATERIAL
leather



Courtesy [Grado Zero Espace](#)

Liquid Jacket is a motorbike jacket design for those use Hyper-Sportive Motorbike. The jacket is made from ultra-thin leather that is combined with a unique material that has high thermal resistance. The process of bringing these two materials together has enabled the use of extraordinarily thin leather, whilst increasing its elasticity without affecting its durability. The leather has been treated with Liquid Shell, patented system by Grado Zero Espace, making it very smooth and impermeable, yet maintaining its breathability and resistance.



Courtesy [Giada Dammacco](#)

'Quota Zero' Mountain Jacket

DESIGNER
[Giada Dammacco](#)

PRODUCER
[Grado Zero Espace](#), Italy
2007

MATERIAL
fabric

This project focuses on developing high performance protective clothing that responds optimally to the environmental conditions that mountain climbers have to endure at altitudes of 6000 metres and higher.

The inclusion of materials that are light while being highly insulating through advanced thermal properties has made it possible to fulfill this requirement. Using thin layers of microporous membranes and wind resistant textiles, we are able to optimise breathability and lightness, which are very important for climbers who have to make extreme physical efforts whilst being weighed down with heavy equipment on their backs. The removable inner layer is made up of three types of padding, each offering a different type of insulation. An innovative protection system is the integration of the glove with the sleeve, thereby avoiding the problem of losing a glove due to strong winds. Furthermore there is a dedicated opening for the climber's rope.

http://www.designaddict.com/design_index/index.cfm/fuseaction/designer_show_one/DESIGNER_ID/675/selectedObjectId/0/