

# LIGHTING ACADEMY



FAGERHULT

Lighting retrofit:  
Creativity supported by lighting

## Humanity in the airport

How to create quality of life in a  
sustainable environment

Collaboration areas

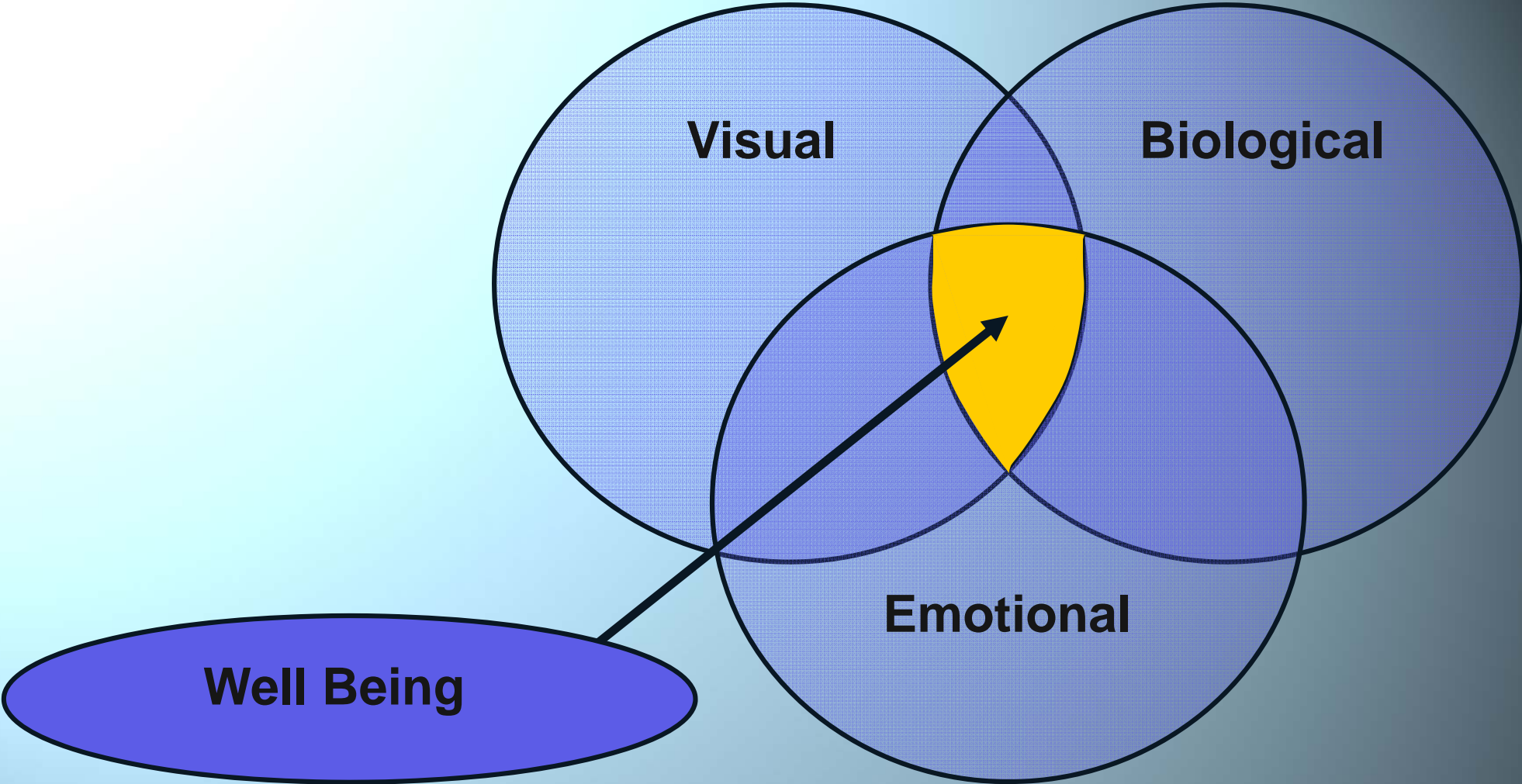
Workstations

Pathway lighting

Conference rooms

Reception areas

# LIGHTING ACADEMY





# LIGHTING ACADEMY

*A positive effect on the business*

## *The Business*

*Ultimately, good quality lighting must result in a more effective work force. The 1 : 5 : 200 building ownership model illustrates the enormous financial advantage that can be gained by investing in high quality solutions at the design stage*



*Cost Centre*

*Initial Costs*

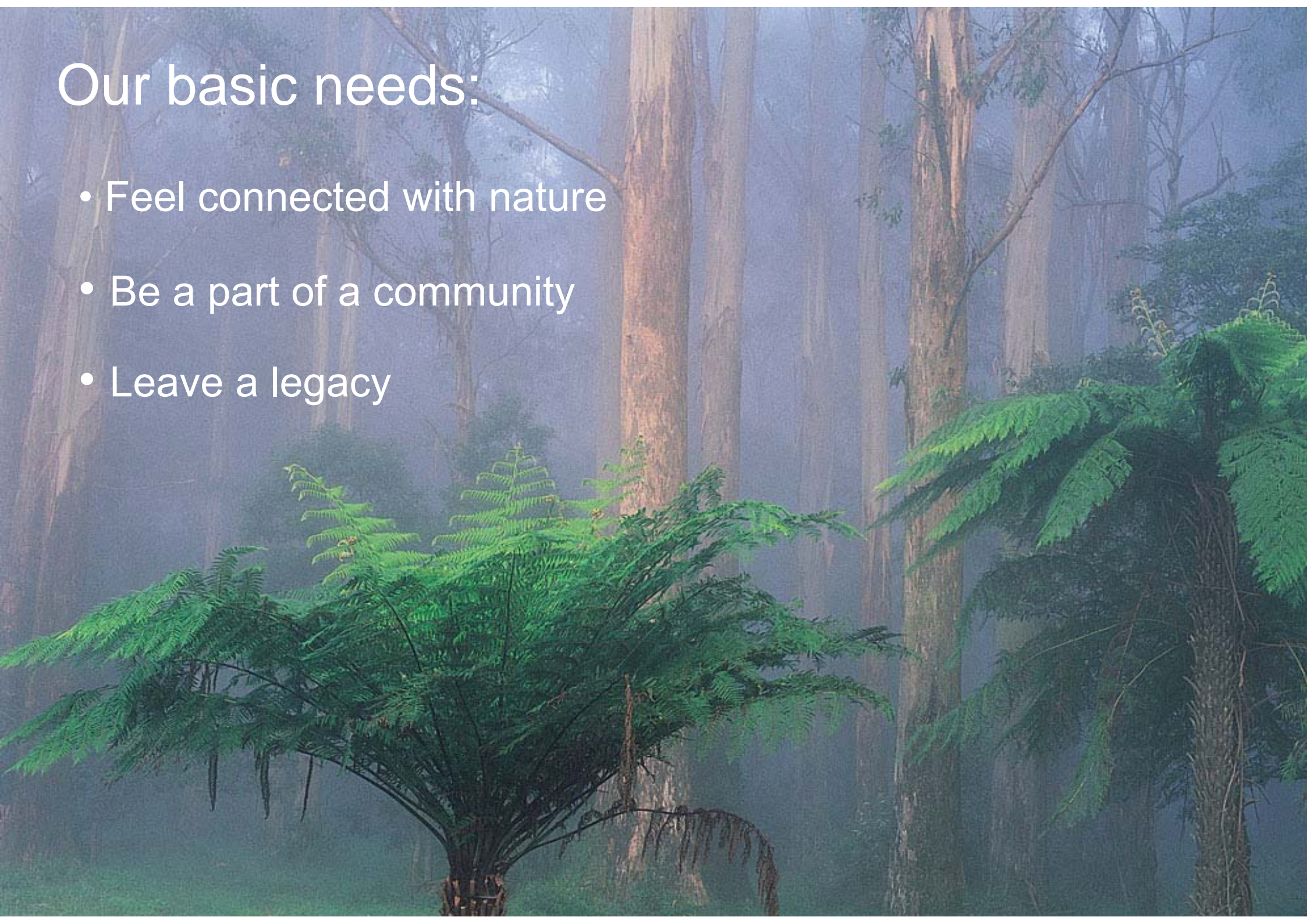
*Running costs*

*Impact on the end user's business*



# Our basic needs:

- Feel connected with nature
- Be a part of a community
- Leave a legacy





## Humanity in the airport

To feel a connection with nature is a basic requirement for the reptilian part of the human brain.

Our brain understands our environment and the most basic impressions are light versus darkness.

This tells us the time of day and the season. Living a natural life we follow these rhythms.

- that connects us with nature.

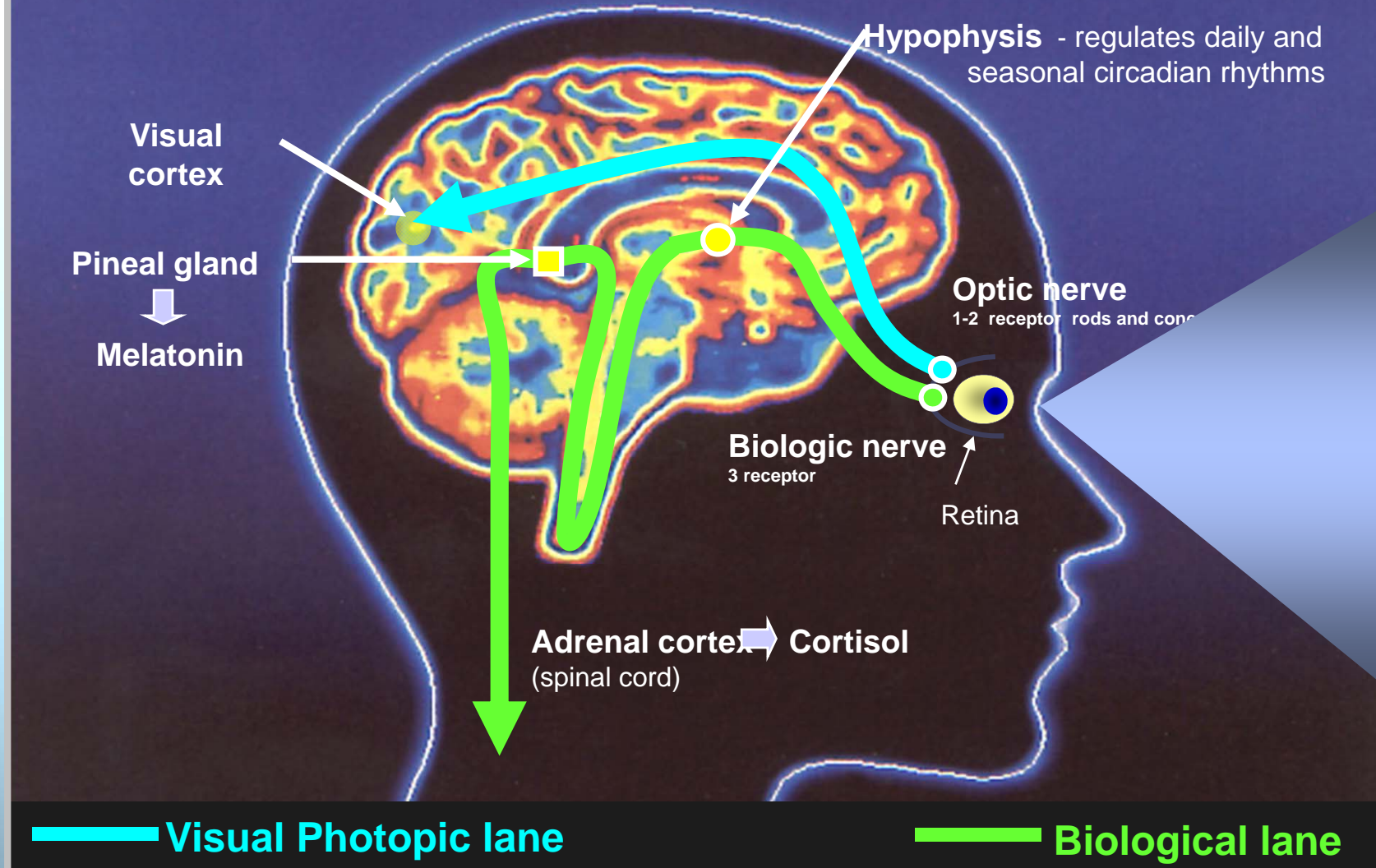


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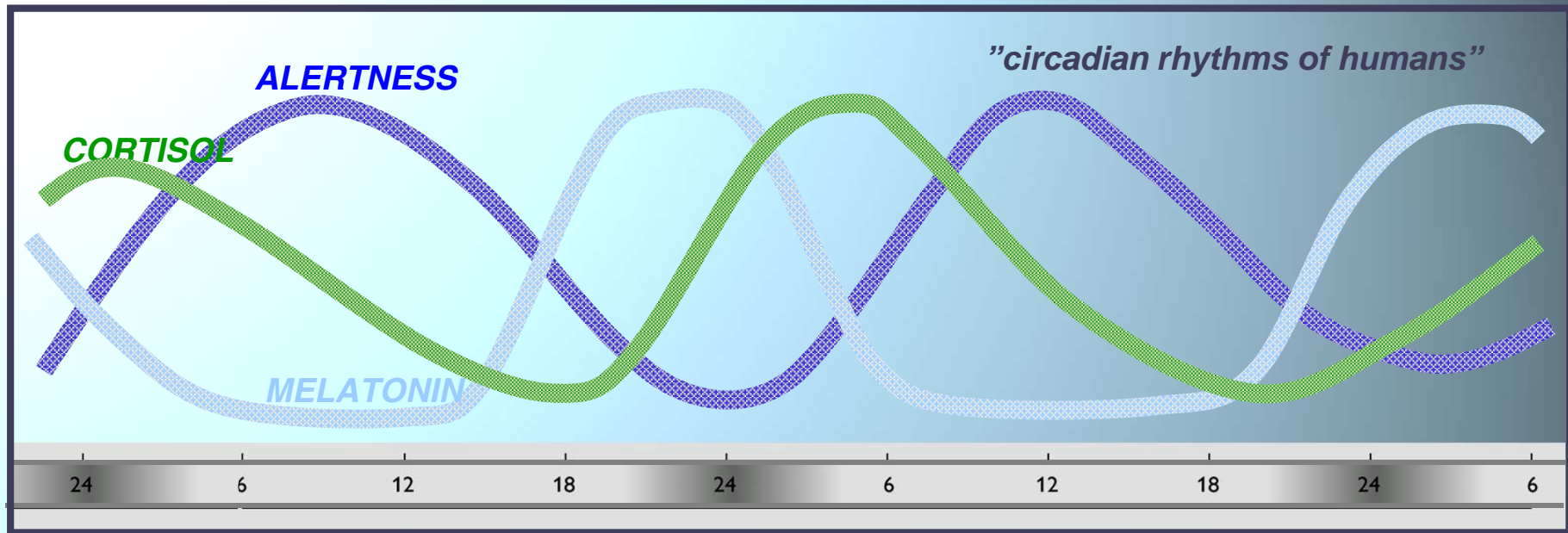
## Light influences both our vision and our biology

### The human aspects of lighting

Simplified illustrations of visual and circadian pathways



# LIGHTING ACADEMY



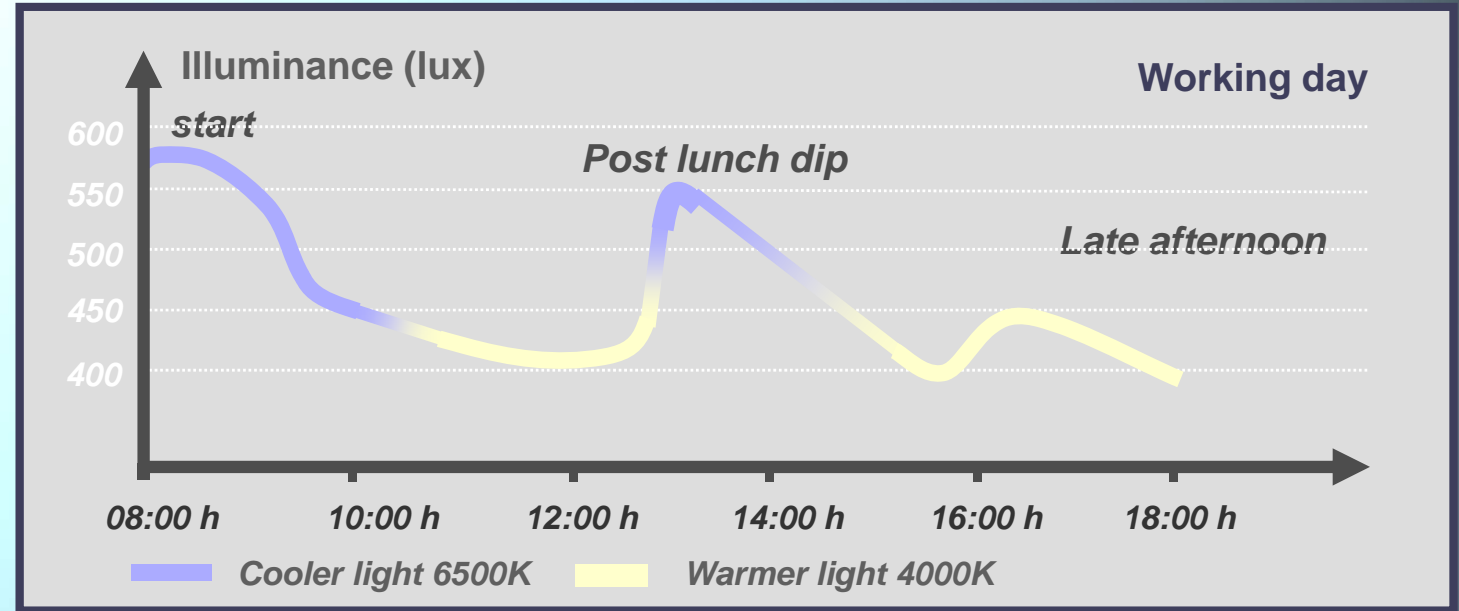
## ***Circadian rhythms***

***Our body clock is regulated by light and dark patterns***

***The combination of Melatonin and Cortisol control our alertness***

***Research has shown that artificial lighting influence the circadian rhythm***

# LIGHTING ACADEMY



*We have developed a specific Bio Dynamic lighting control system to vary lighting level and colour temperature to reflect the latest research into light and well being.*



# LIGHTING ACADEMY

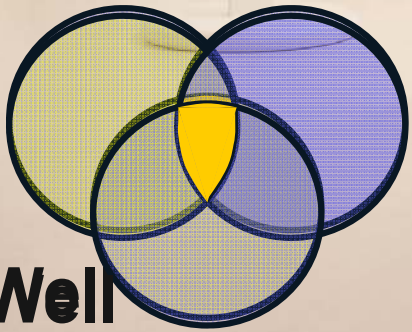
Feel connected with nature

Nothing beats daylight!

We need to simulate daylight in places where we can't get the real thing.

We can monitor the colour temperature of the “real” daylight and create “artificial” daylight by mixing light.



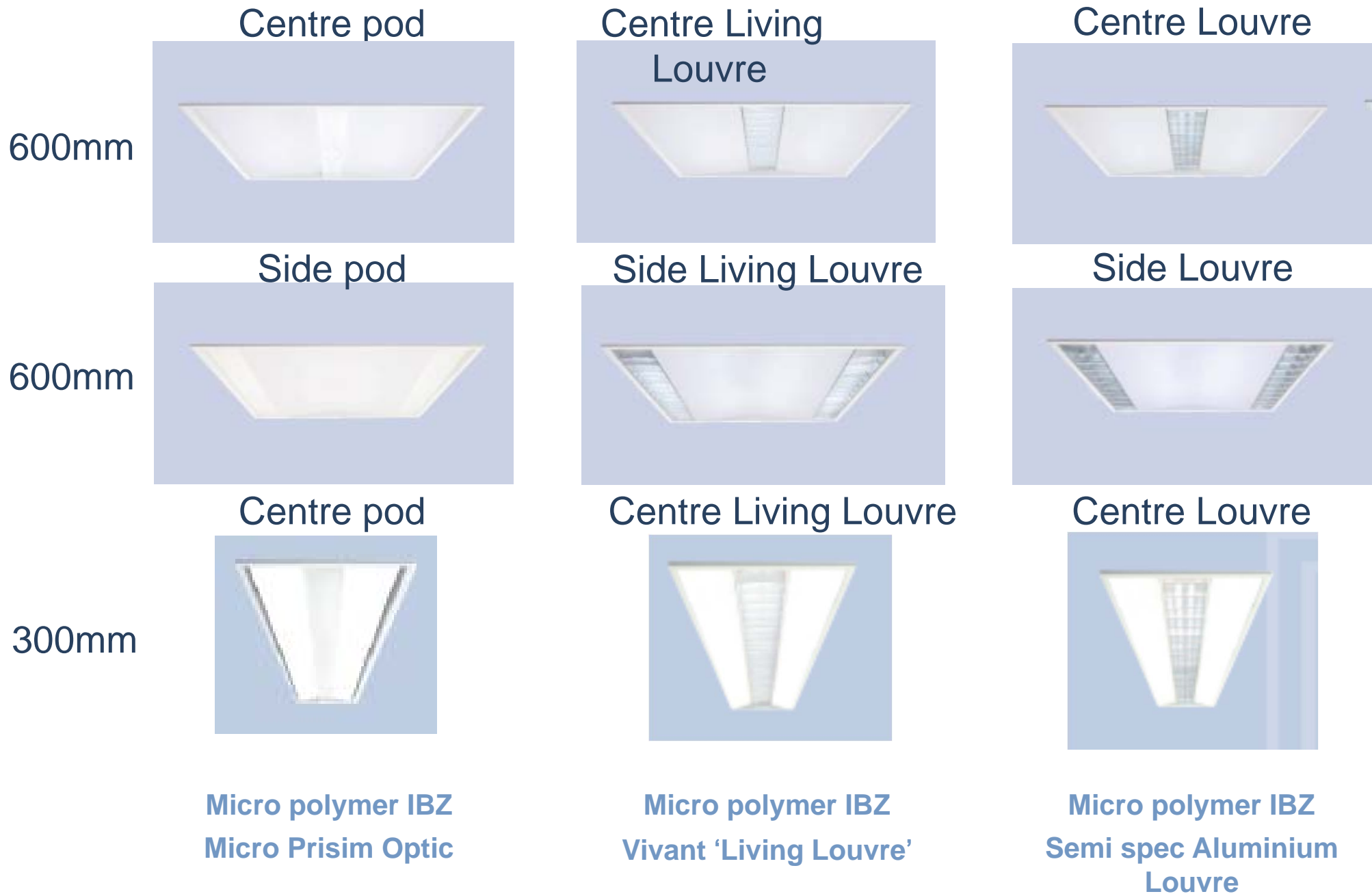


**Well  
Being**





# THE DUO CONCEPT



# LIGHTING ACADEMY



Well  
Being

## Humanity in the airport

Humans are animals and we thrive in flocks.

We feel **secure, happy and creative** being with other humans and we feel vulnerable, scared and limited when we are alone.

We need to see the faces of other humans to decide if they are friend or foe.

You can't decide that in the dark – the light is the bridge that connects people and makes us part of a community.



# LIGHTING ACADEMY

## Be part of the community

The human experiences the world in the vertical plane.

Good vertical lighting gives us shape, shows our intentions and allows us to **communicate efficiently** with each other.

Just imagine being outside  
we don't just get light on our  
heads

We are **3D** beings in a 3D  
world – hence we need **3D**  
**lighting**.



# LIGHTING ACADEMY



# LIGHTING ACADEMY



**FAGERHULT**



# LIGHTING ACADEMY

Be part of the community

That's why we recommend lighting vertical surfaces!

We also thrive in spaces with big differences in Illuminance, that makes a space exiting and inspiring just like a walk in the forest.

Adjustable light is good!

Put the light where you need it – imagine being outside in the forest.



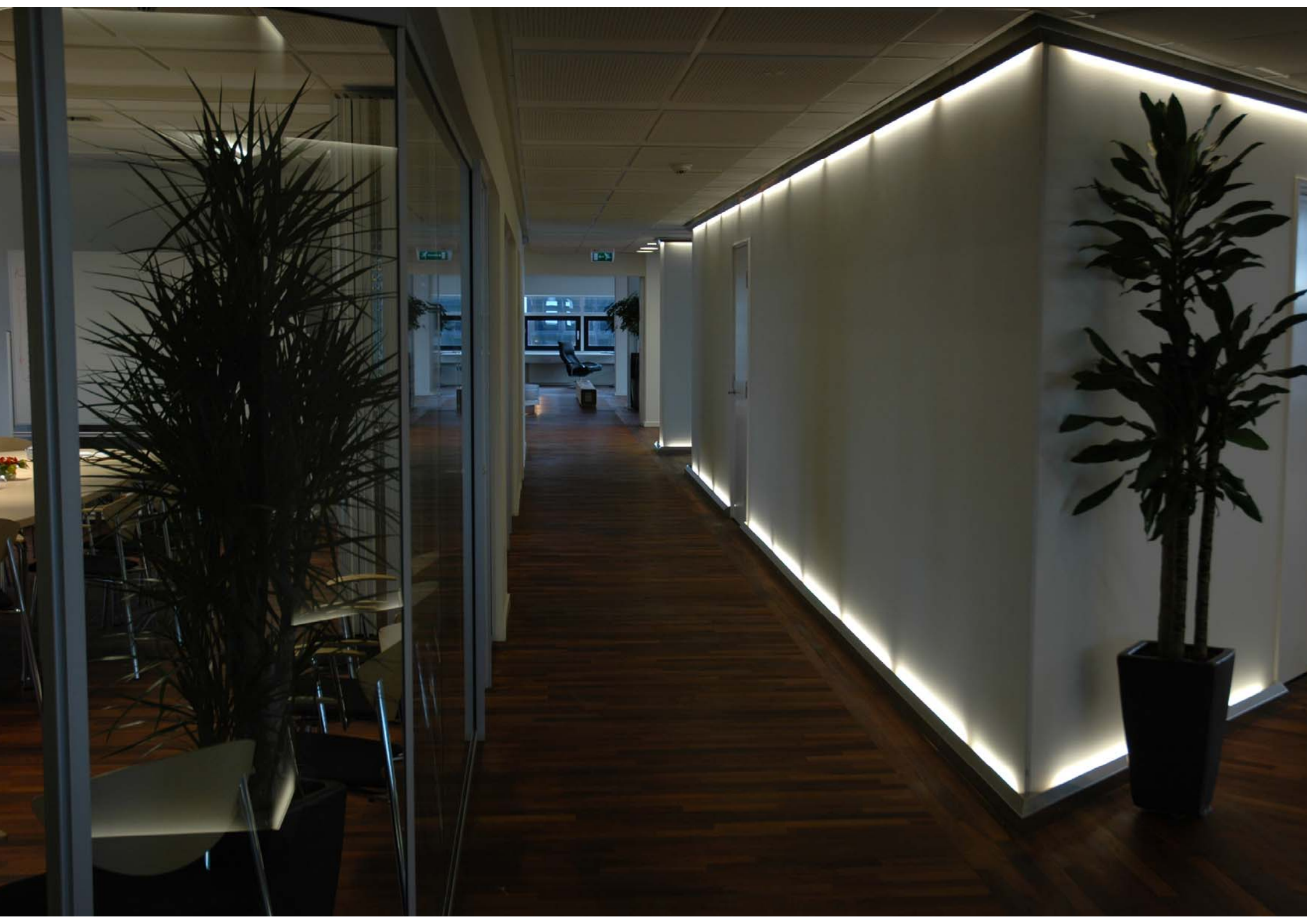


## Humanity in the airport

We like to leave a mark to show the flock where we have been and we like to lead the way (or follow) others.

We are outdoor beings that like to follow the light.

If we are lost we wish to find the way back to the flock.





INDICATIVE BRANDING IM












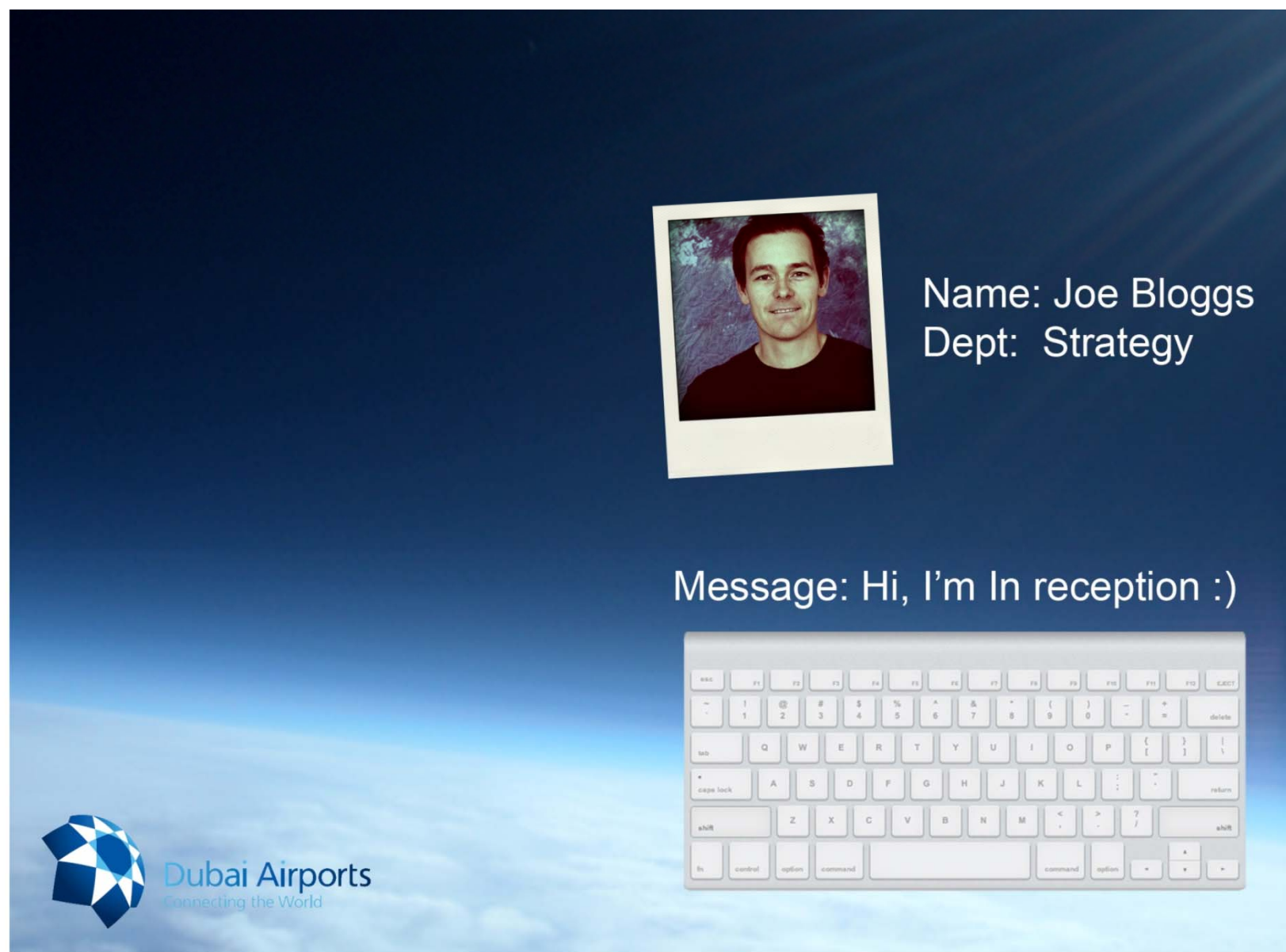
Connecting the world

We've come a long way.  
Together, we're going places.

 **Dubai Airports**  
Connecting the World

Stage 1: When screen is not in use is shows Interchanging  
Corporate Branding & Messages

<http://mindstorm.com/fils/iW all-Premier-Farnell.mov>



Stage 3: When visitors arrive at the airport reception and know who they're coming to see they can use the screen to notify this person directly by completing the following:

- Touch the screen and chose option to 'search for contact'



Name: Joe Bloggs  
Dept: Strategy



Dubai Airports  
Connecting the World

Stage 4: Location Map appears which identifies location of visitor and employee



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## Leave a legacy

So we know we like to follow the light.

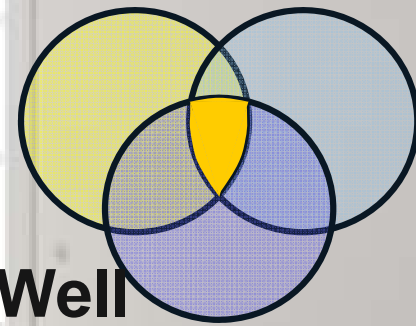
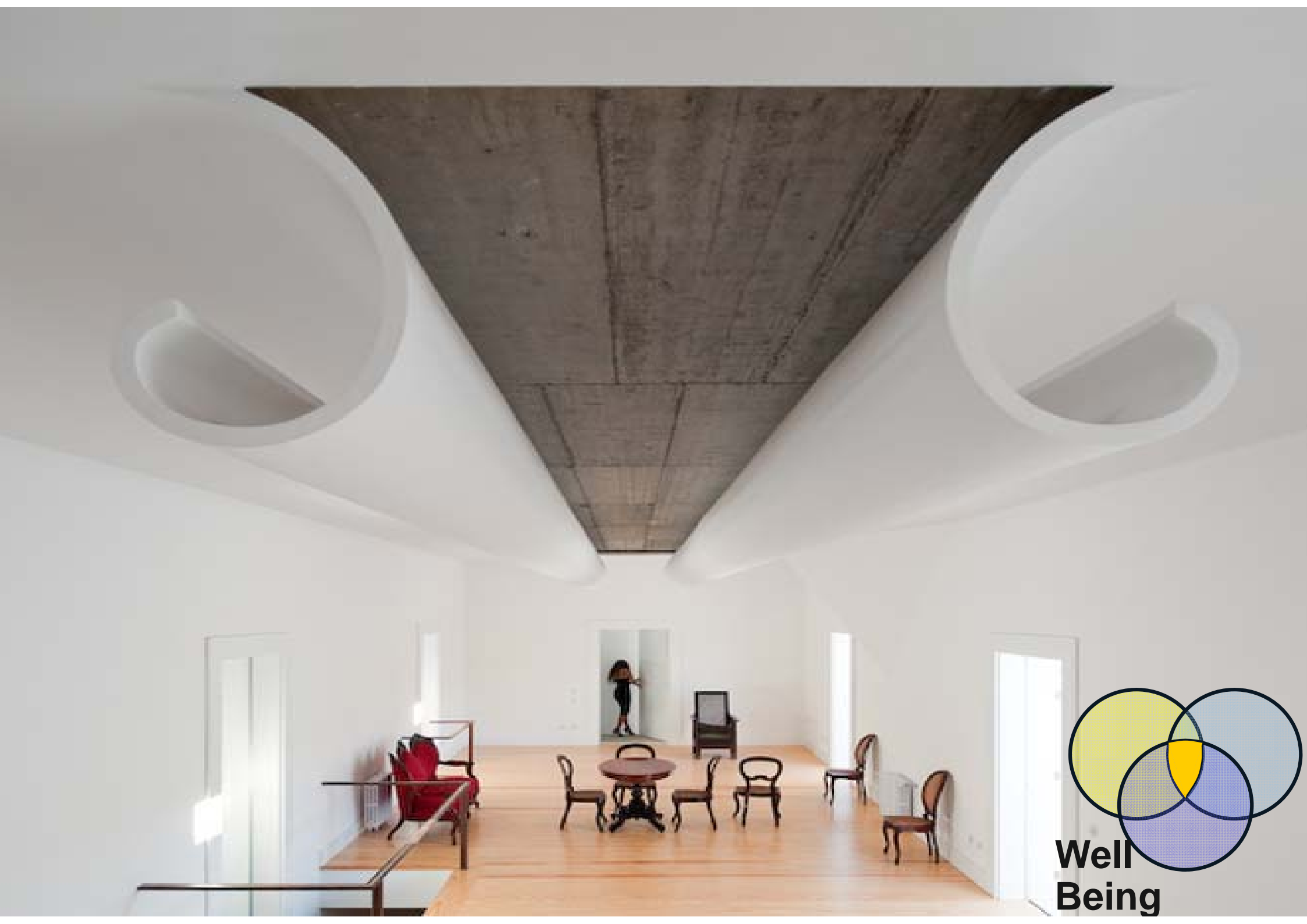
We have integrated it in our culture from the ancient streets laid out by the romans to the modern flight path!

Imagine a coloured mark guiding your fellow flock members showing them where you went or the place replaying your movement long after you are gone.

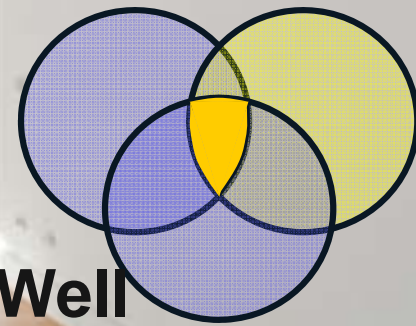
History recorded in light!







**Well  
Being**



**Well  
Being**







Corporate Message

Revenue by Source



Corporate Message

Corporate Message

Energy

Energy

Energy

## Control systems





# Discussion

