



shrikant sharma

Group Director

BuroHappold Engineering

<http://www.burohappold.com/think-again/specialisms/smart-space/>



Bilateral Meetings

- Wednesday (10:00am - 12:00pm)
- Wednesday (12:00pm - 2:00pm)
- Wednesday (2:00pm - 4:00pm)
- Wednesday (4:00pm - 6:00pm)
- Thursday (10:00am - 12:00pm)
- Thursday (12:00pm - 2:00pm)
- Thursday (2:00pm - 4:00pm)

Description

I lead the [Smart Space](#) team at BuroHappold Engineering. We are all about using advanced data analytics and visual simulations to transform buildings and urban spaces into inspirational, safe and inclusive places.

We develop and exploit sophisticated simulations that analyse the interaction of People with Spaces and Processes, with a view to optimizing the design and operational logistics. This 'people-cantered design' approach uses our insights into people's behaviour, activities and journeys to maximise space utilization, wayfinding, circulation efficiency, retail footfalls, operational effectiveness, resilience, and ultimately visitor experience.

Our tools fuse the process of design optioneering, predictive modelling and decision making. Using intuitive, dynamic, immersive and interactive visualisations our modelling tools respond to the user in real time, right within the 3D CAD / BIM / GIS platforms. The idea is to hide the complexity of number crunching in the background and put the decision maker in control. Leaving the designers and operators to assess the impacts of a vast array of their decisions, to carry out a lot of what-if analyses, ultimately to generate better informed and evidence based buildings and urban spaces.

Organization Type

Company

Organization Size

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Areas of Activities

TECHNOLOGY

1. city platform
2. sensors
3. big data
4. apps
5. visualization
6. data analysis
7. high technology
8. public safety
9. emergencies

MOBILITY

1. pedestrians
2. community

SUSTAINABLE CITY

1. liveable cities
2. urban redevelopment

Idea

Smart Spaces in Smart Cities

Using people-centred design and advanced simulation tools to create vibrant, sustainable, safe and secure places.

Cooperation Offered

1. Technical co-operation

Offer

SMART DASHBOARD FOR REALTIME PERFORMANCE MONITORING

SMART Dashboards that visualise the performance of buildings and cities in terms of space utilization, circulation efficiency, retail footfalls, operational effectiveness, and visitor experience measures. Also includes predictive modelling and optioneering capability.

Keywords: dashboard data visualisation modelling simulation mobility circulation

Cooperation Offered

1. Technical co-operation

Offer

Disaster management

Powerful predictive modelling and simulation to optimize designs and operational logistics of major events to maximise safety and security of visitors.

Offer

Technologies for sensing, simulations and data visualisation.

Technologies for sensing, simulations and data visualisation to maximise space utilisation, wayfinding, mobility, retail footfalls, operational effectiveness, resilience, and visitor experience.

Cooperation Offered

1. Technical co-operation

Offer

Optimize design of buildings and urban realm.

People centred approach to designing optimum urban spaces and developing strategies that create vibrant public spaces, encourage economic activities, deliver efficient transport and pedestrian circulation, and minimise risks due to congestion and emergencies.