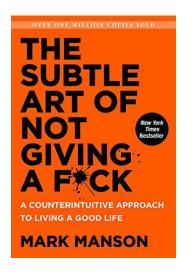
URBAN STRESS

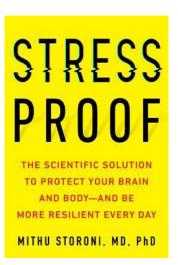
Research into the reduction of urban stress through urban design

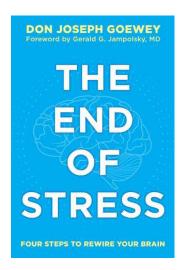


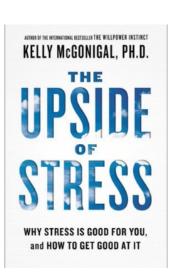
ATTENTION TO STRESS

RELEVANCE IN SOCIETY





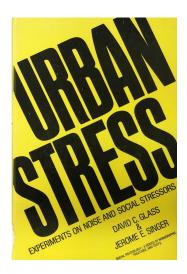


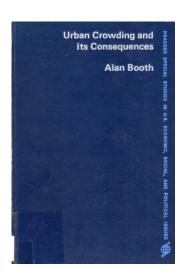


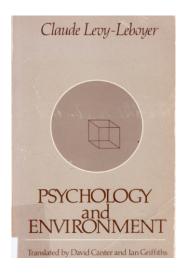


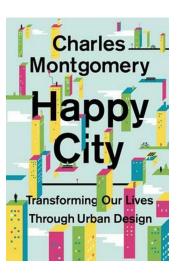
Britain in the grip of a stress epidemic because of 'always on' culture, survey finds

URBANISM RELATED









Does City Life Pose a Risk to Mental Health?

Recent studies shed light on the link between urban living and psychosis

Sick cities: why urban living can be bad for your mental health

Is our headlong rush to live in cities bound to increase incidences of stress and other mental disorders?

Urban stress is stress in humans, caused by the urban environment.





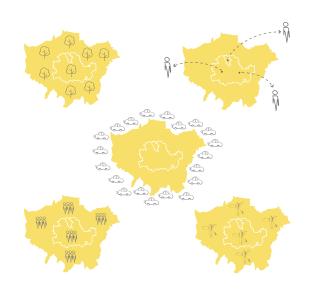


Research question & Findings

Conclusions









Design

Looking ahead

RESEARCH QUESTION & FINDINGS

How can the urban design of public spaces contribute to the reduction, relief or prevention of urban stress in metropolitan areas?

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How can the urban design of **public spaces** contribute to the reduction, relief or prevention of





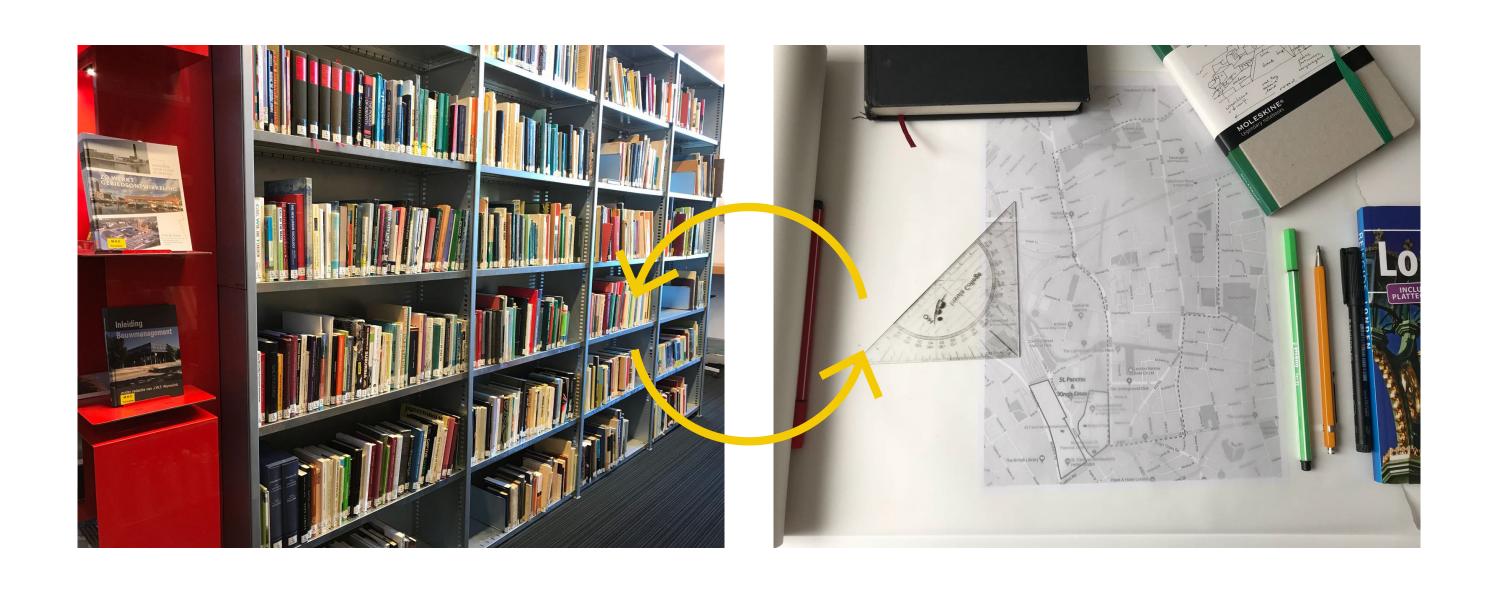




Metropolitan

Urban

Public space



Causes of urban stress



1. Building density



1. Building density



2. Crowding





























































































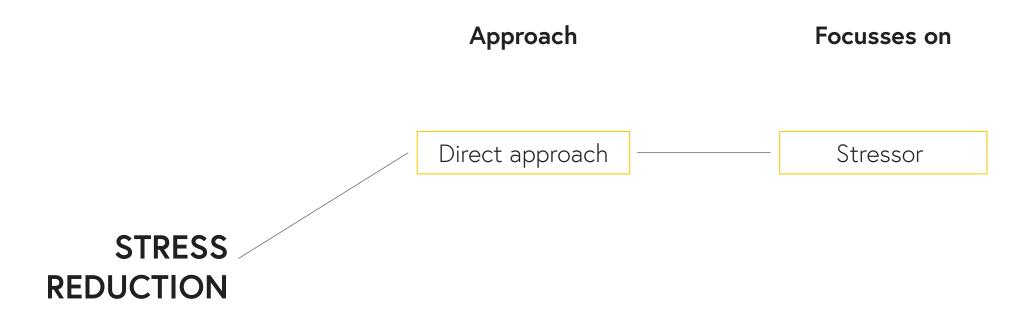


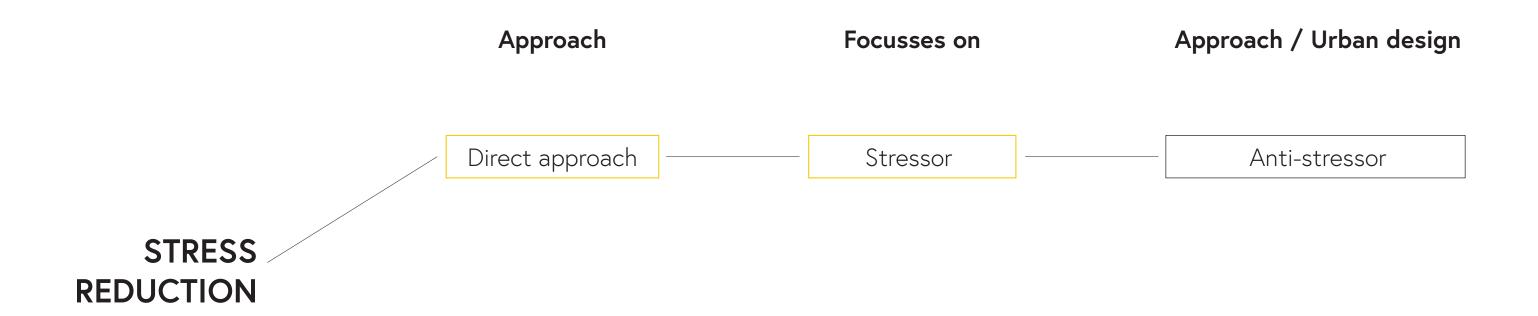


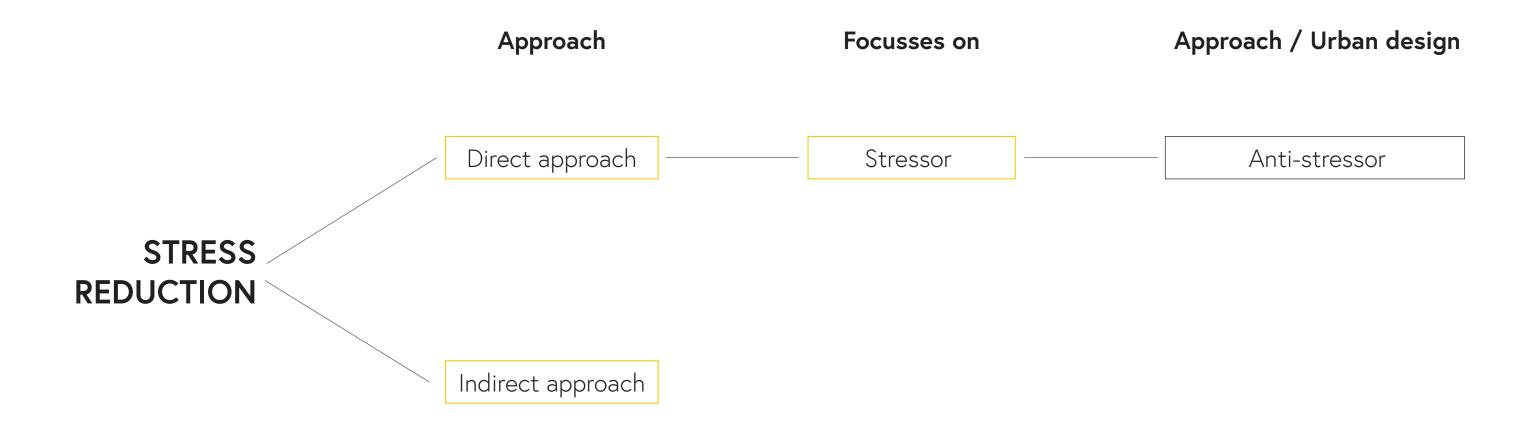
Reduction of urban stress

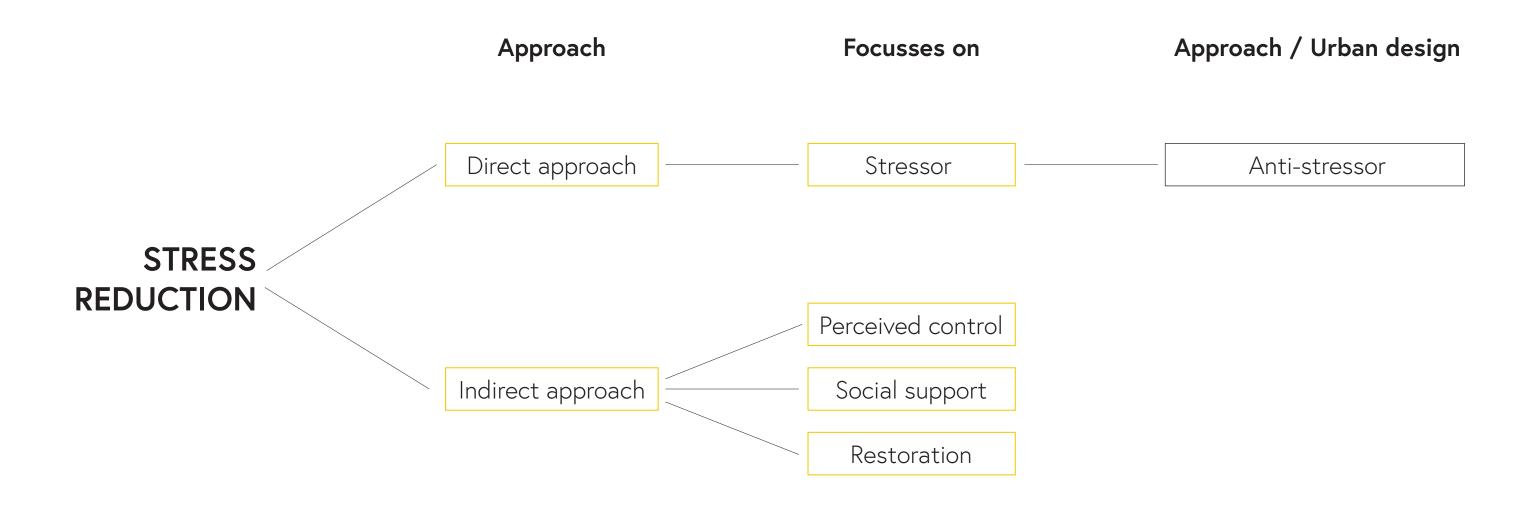
Approach Direct approach STRESS

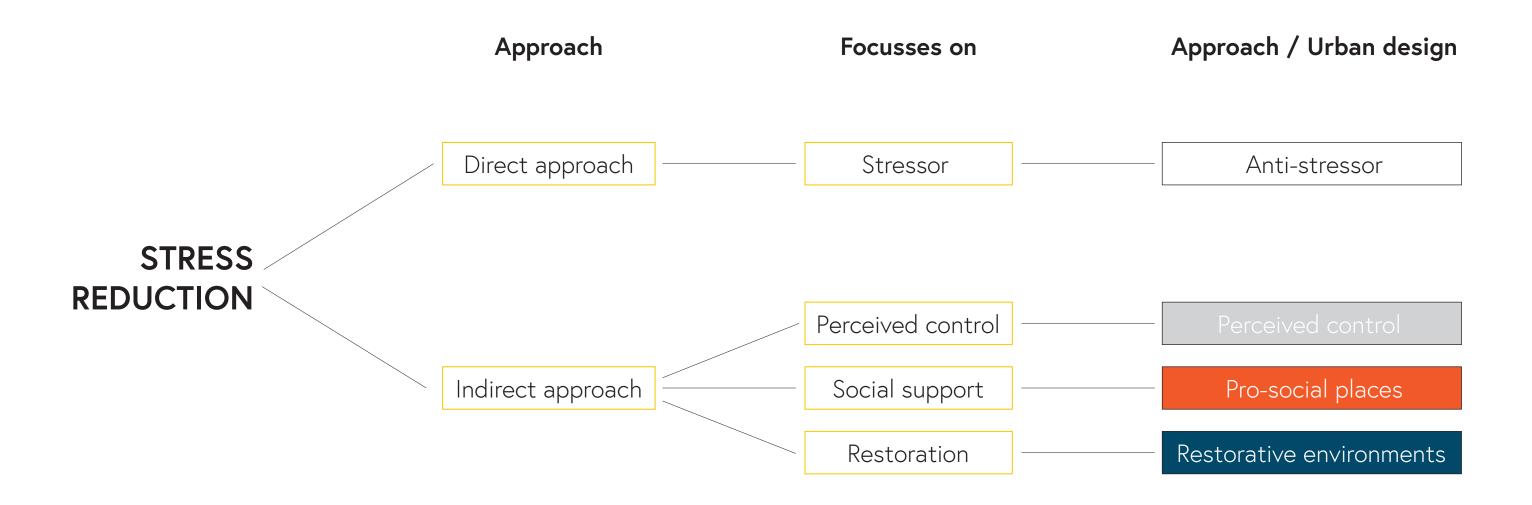
REDUCTION



















































































being away

DESIGN





workers seeking mental health help Stress in the City: Sharp rise in City

Enough to Counter Exercise Air Pollution in London Is Benefits in Older Adults, and what happens her Study Finds

London housing crisis: high costs, high stress

Tired of London, not life: what happens when you ditch the high-flying success - and stress - of the city grind

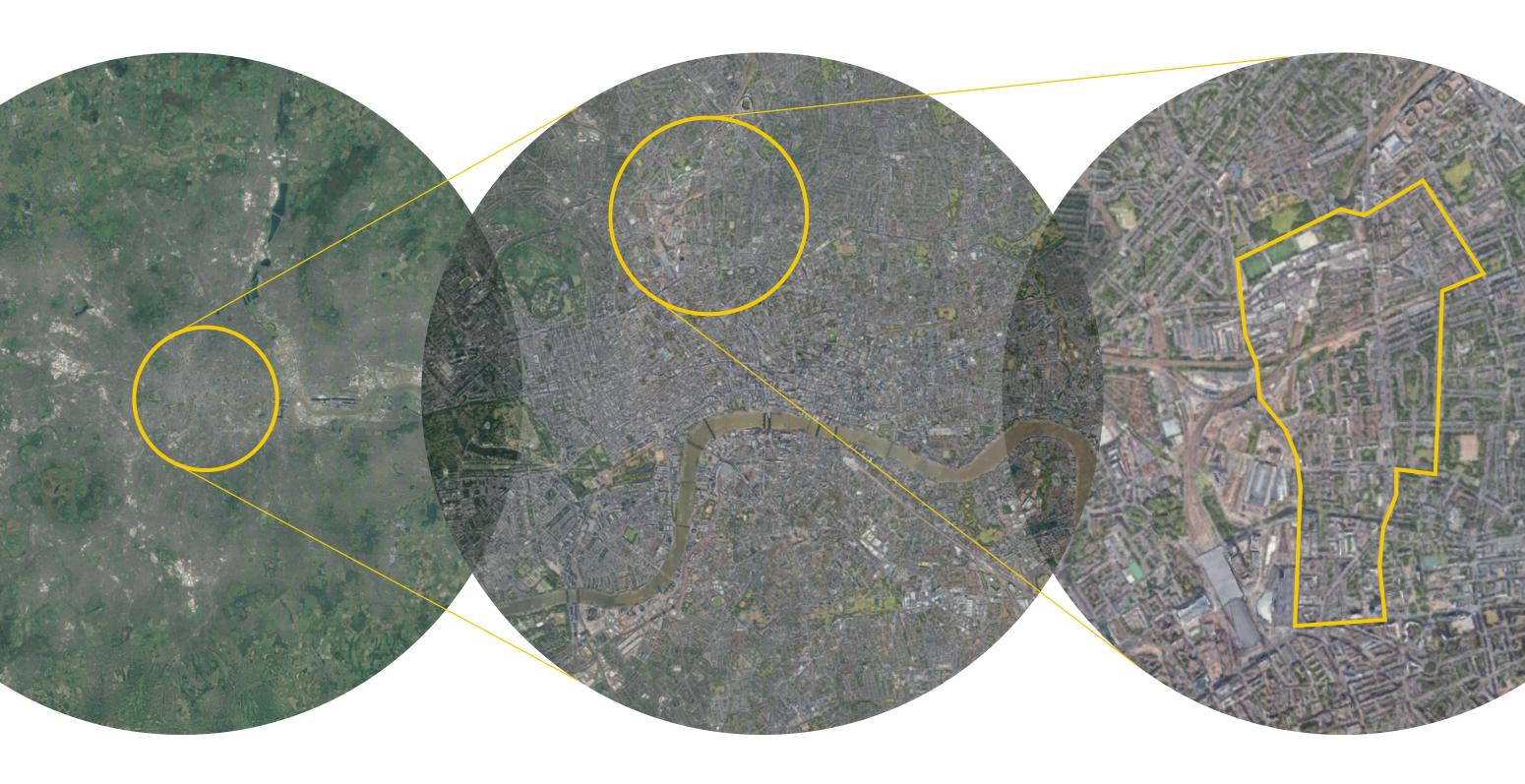
Quiet please

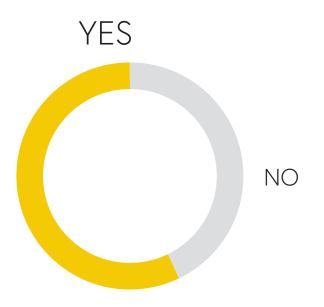
Stressed out and dissatisfied with life:

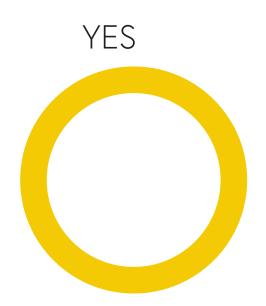
'I came back to the city and instantly felt

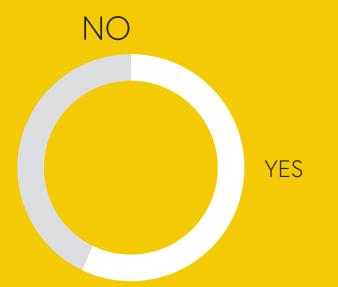
my heart tense up': readers discuss

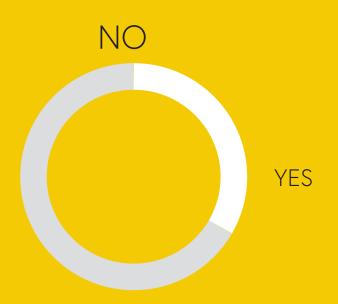
urban stress











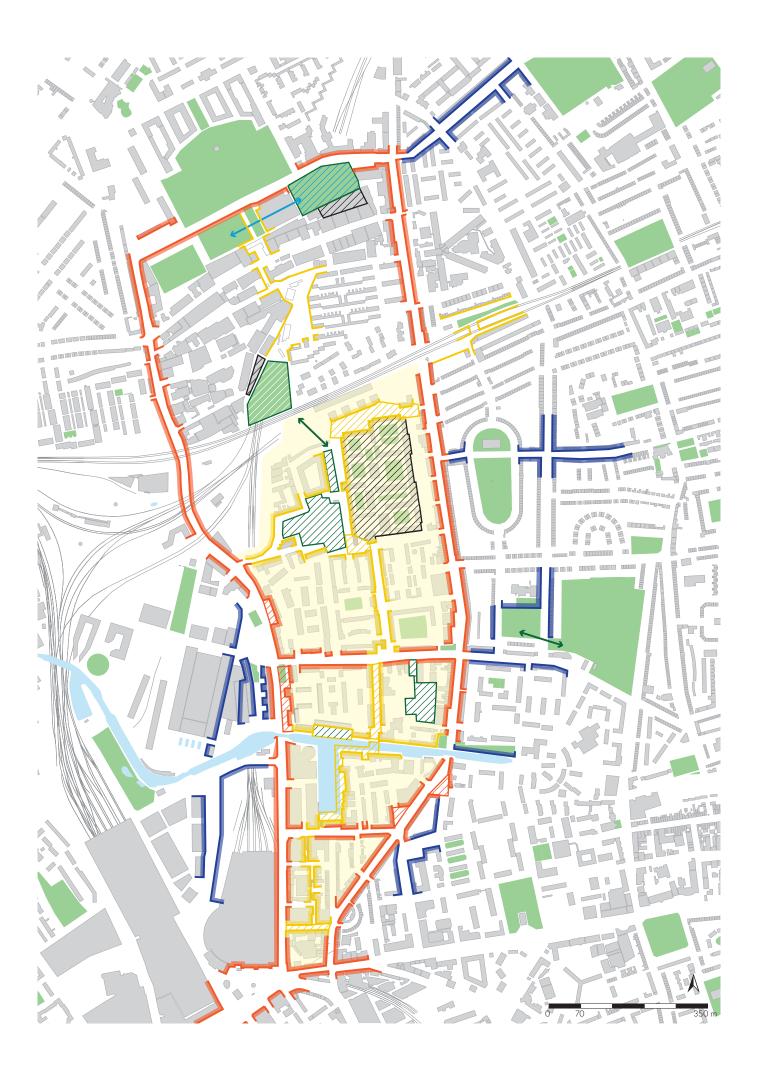
MORE LOW RISE MORE SAFETY MORE OPEN SPACE

DESIGN ON HUMAN SCALE **MORE GREEN** MORE SPACE FOR PEDESTRIANS

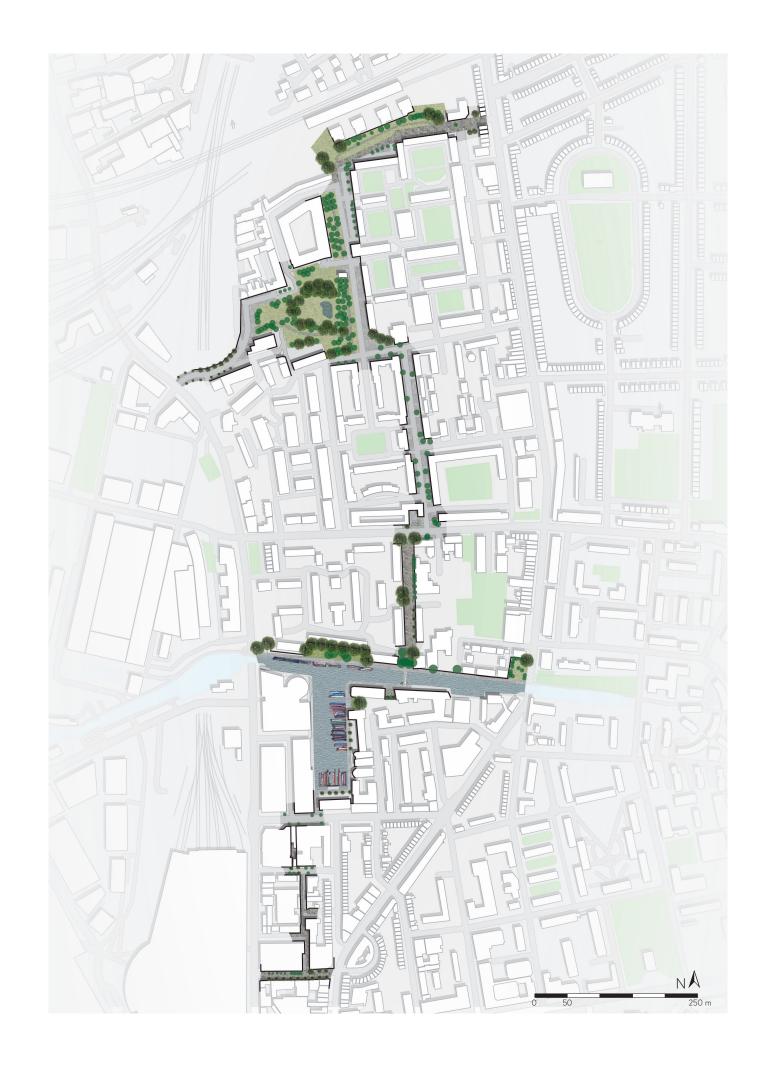
BETTER WAYS TO CROSS THE STREET MORE BENCHES

CAR FREE STREETS BETTER CONDITIONS

STRESS IS OFTEN EXPERIENCED WHILE TRAVELLING THROUGH THE CITY





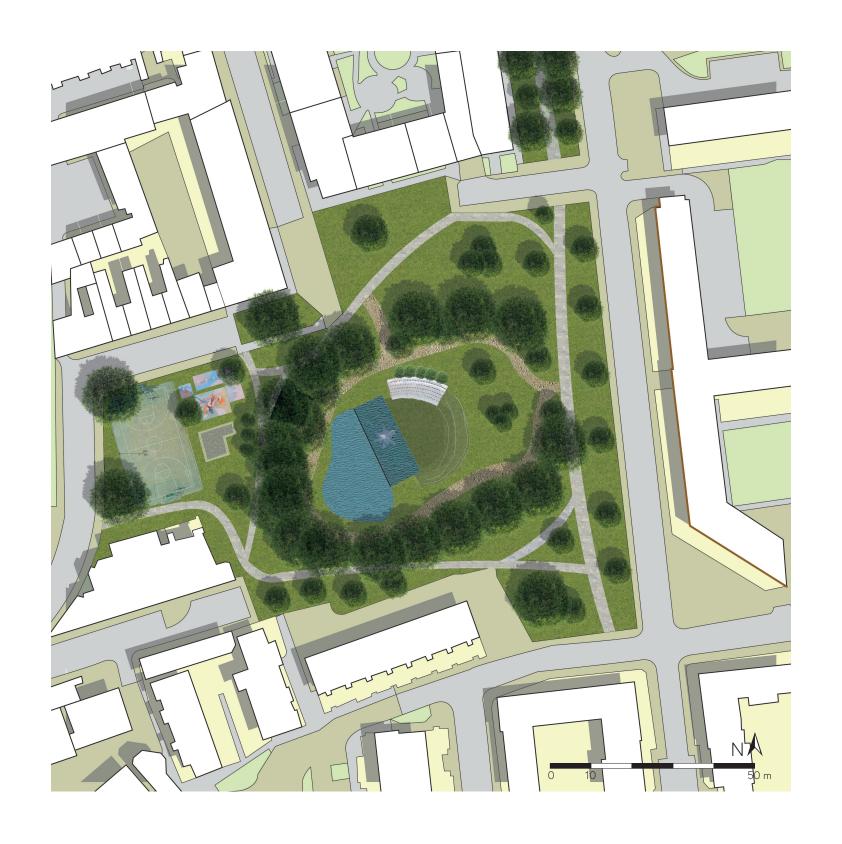




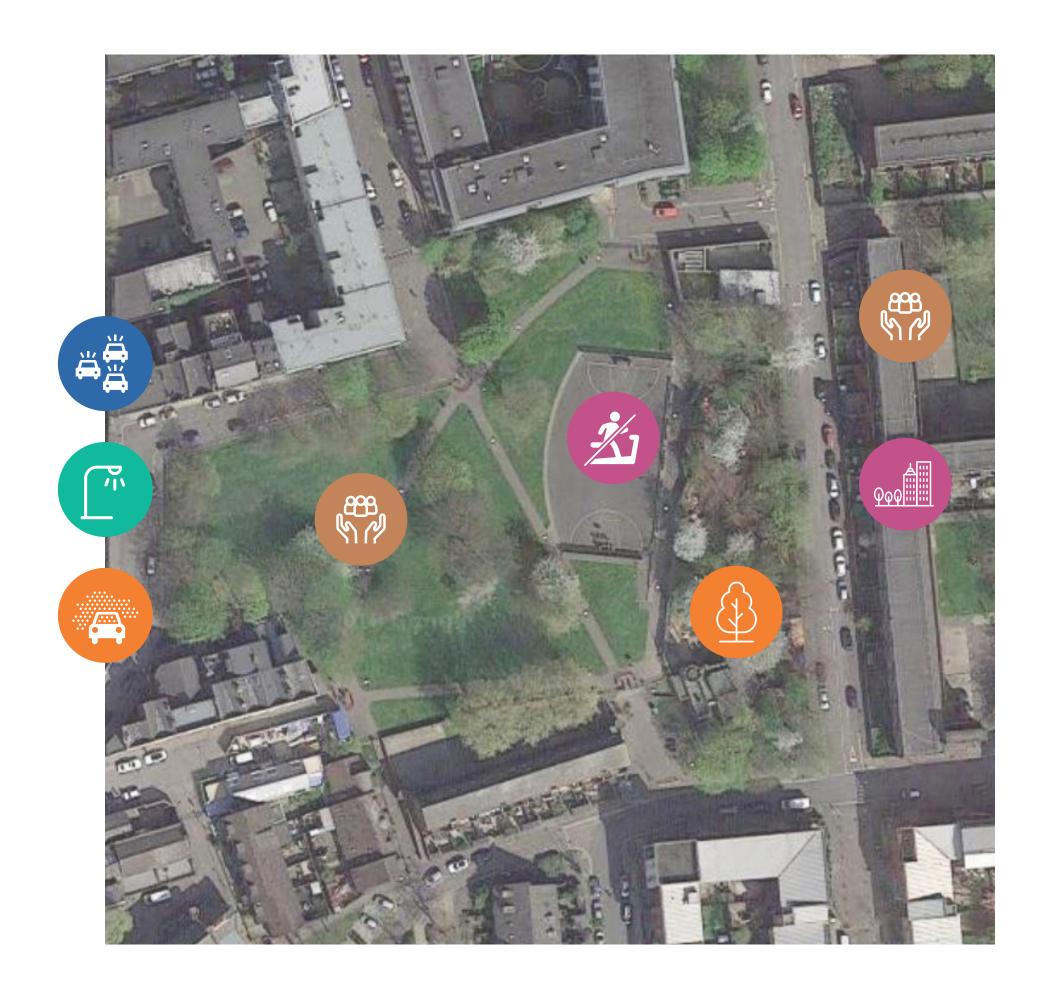
Spaces to move

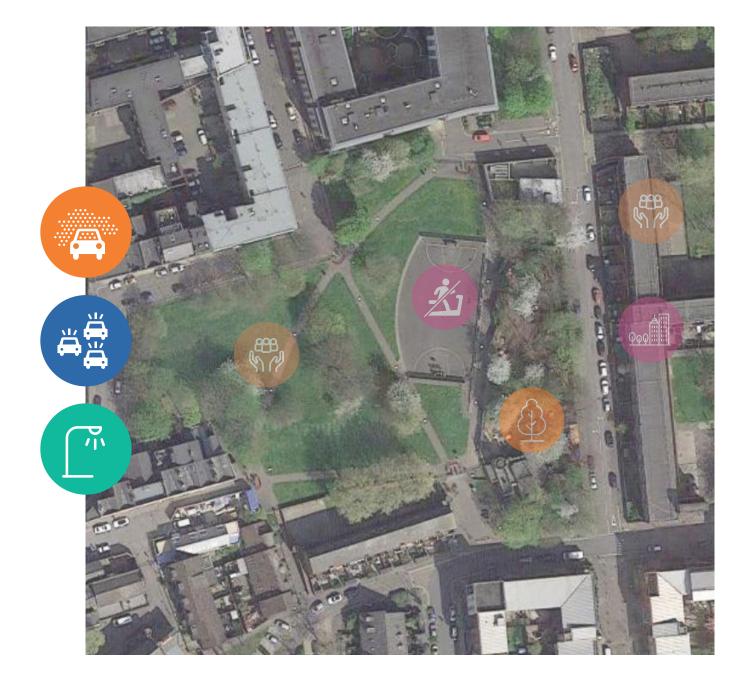


Places to stay



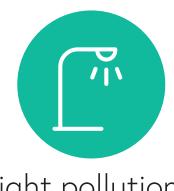
Bingfield park - a place to stay











noise pollution

light pollution



















accessibility and availability of green





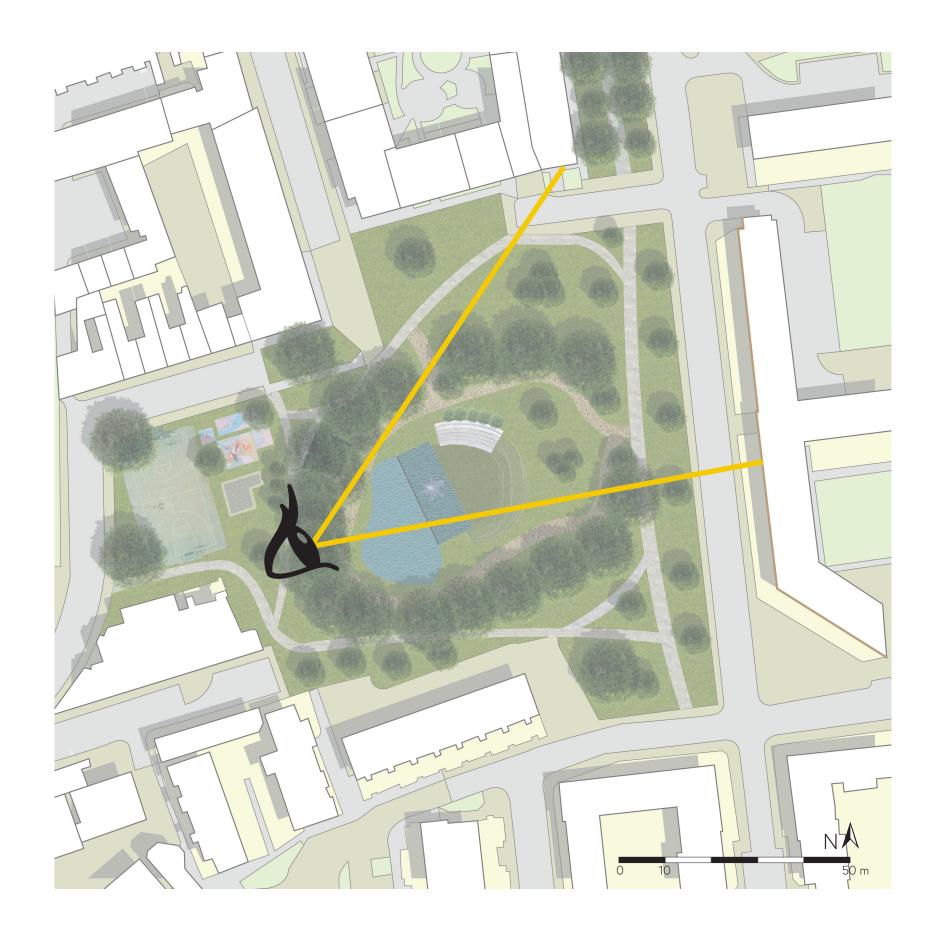






sense of security















being away extent block light and noise

49









more green & add water

serene scenery

block light and noise









pro-social furniture

places to stay

high quality public spaces





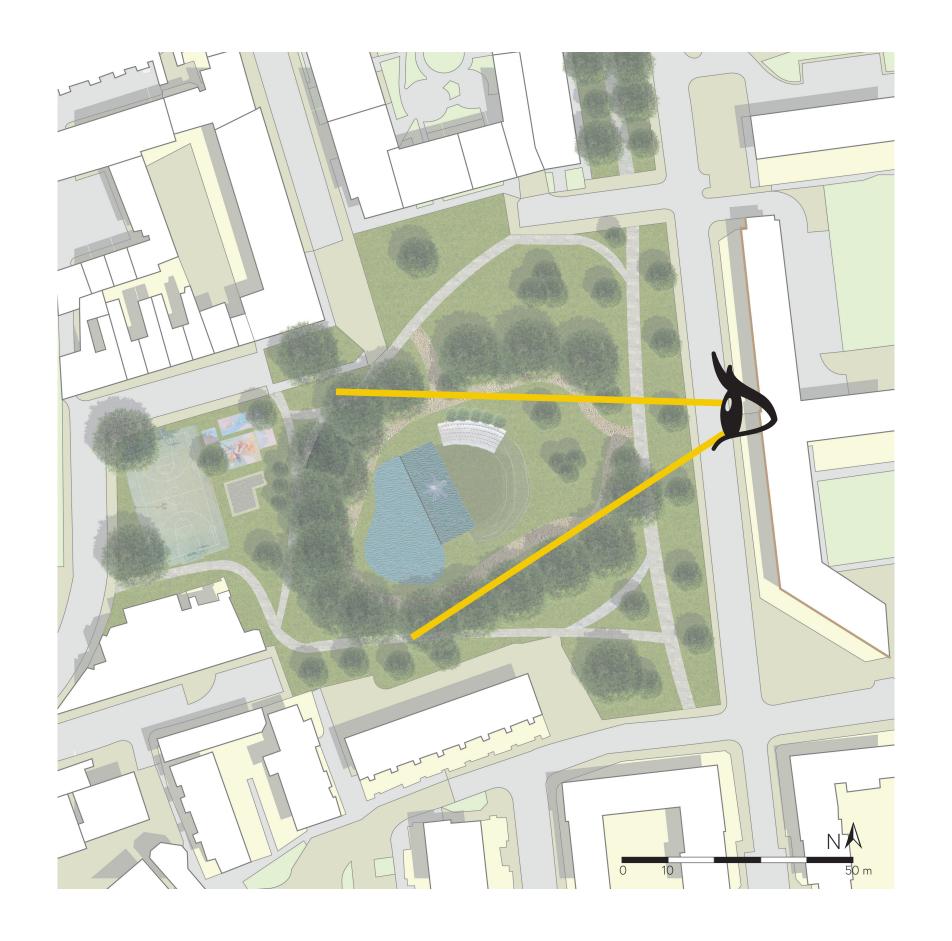




walking & cycling routes

natural environments

playgrounds













down-facing lighting

clear and readable urban design



Caledonian Road - a space to move



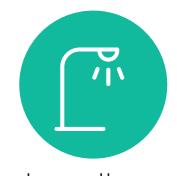












air pollution

noise pollution

light pollution







accessibility and availability of green







architecture and urban design









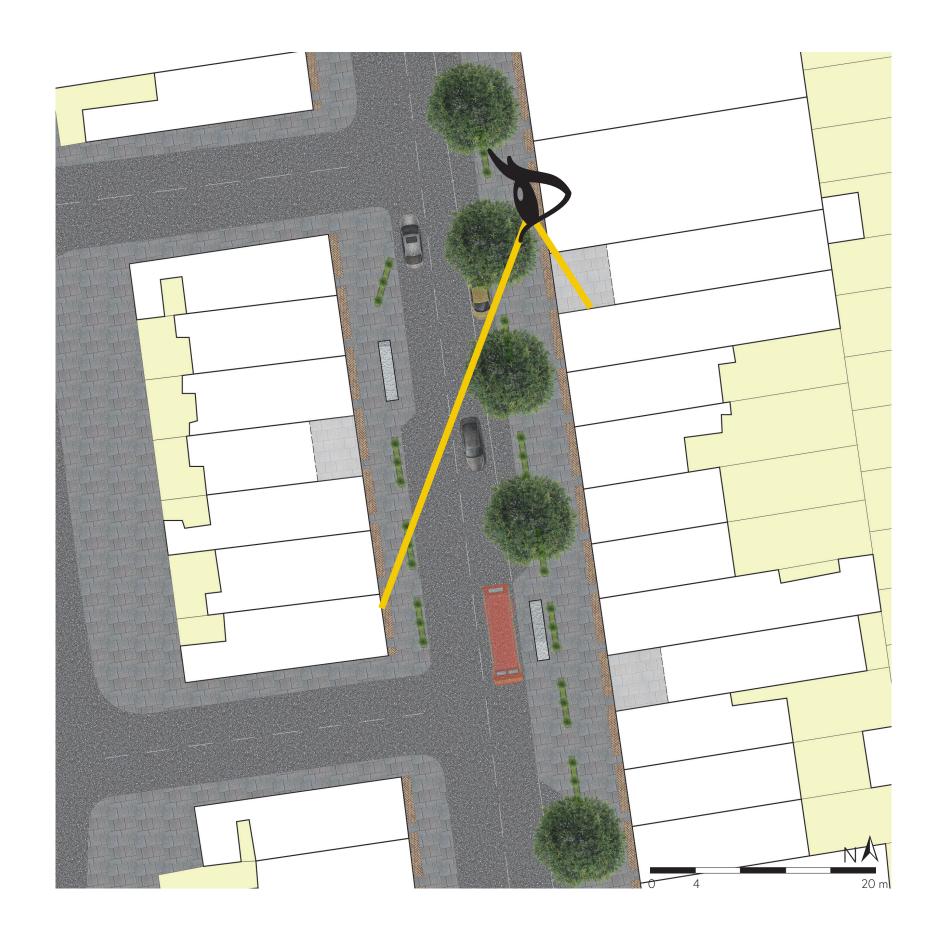


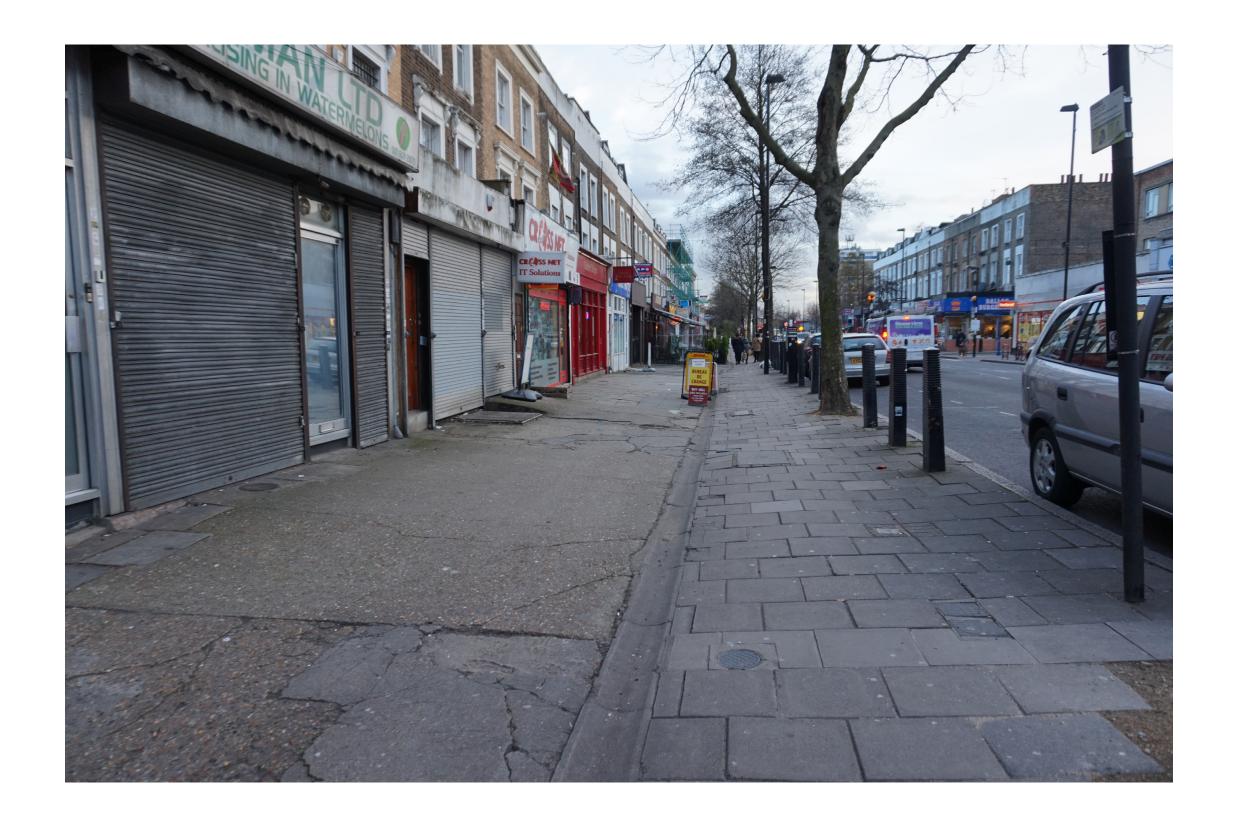
sense of security



lack of social support networks















alternative green & close by



combine public functions









gradient private to public

privacy zones

control and intervene

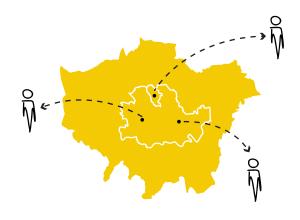
CONCLUSIONS

How can the urban design of public spaces contribute to the reduction, relief or prevention of urban stress in metropolitan areas?





1. Green cities are good cities



2. Outside the city inside the city



3. Low traffic, low stress

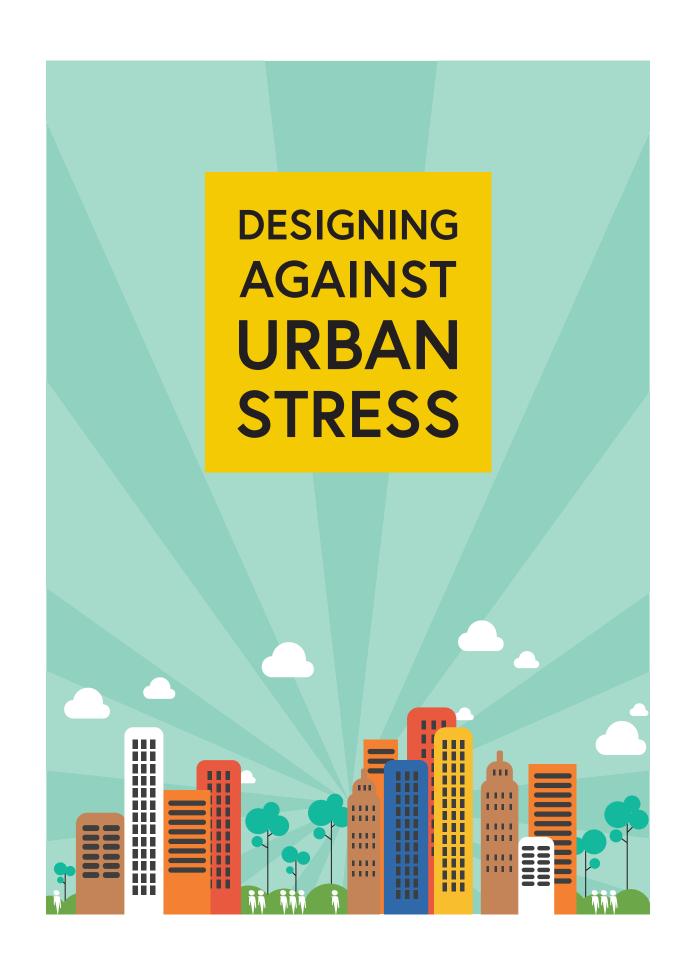


4. More social, less stress



5. Clear designs are calm designs

LOOKING AHEAD

















































































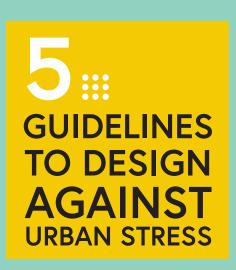












INVOLVES STRESSORS:



































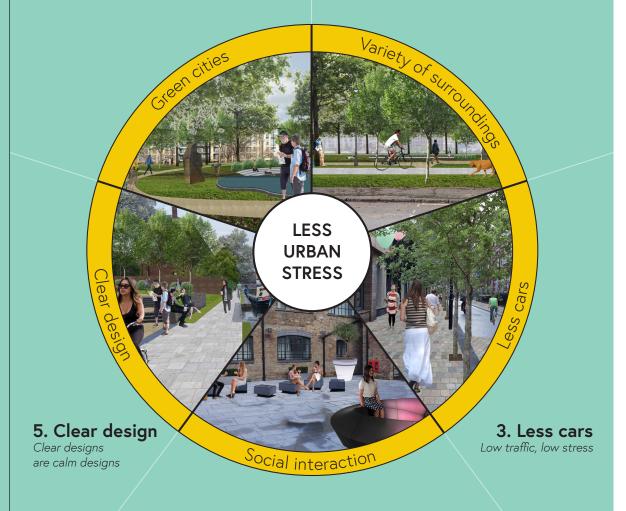




1. Green cities

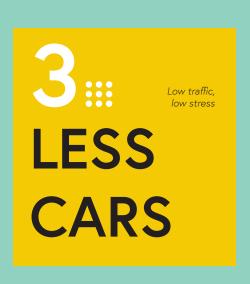
Green cities are good cities

2. Variety of surroundingsOutside the city inside the city



4. Social interaction

More social, less stress



A city without cars is impossible these days, but when looking at the stressors and the the ways to reduce them, it seems as if a car free city would be a city with far less stress. Not only does traffic and parking in itself cause stress, cars and roads also cause pollution (light, air and noise), they take away open space and space for pedestrians and cyclists, result in less healthy (physical) behaviour and lead to accidents. Since people still have to move around and banning the car from the city is not realistic, it is important to make the city less car dependent. This means investing in an extensive public transit network and good and safe walking and cycling routes, as well as mixed neighbourhoods.

ADDRESS(ES) STRESSORS: INCLUDI













INCLUDES DESIGN CRITERIA:



neighbourhoods
Create
neighbourhoods with
facilities within
walking distance, so it
is more inviting to walk
to your destination



routes
Provide a good
walking and cycling
network, so that the
car is not the only
option



Enough space for pedestrians Create enough space to invite people to walk and to prevent crowding



Public transport
Foresee in a good
public transport
network as an
alternative for car use



Provide enough options
Provide enough options, for example routes, public transport stops, etc., so that people have a choice other than the car



Provide enough options



Mixed neighbourhoods





Enough space for pedestrians



Walking & cycling routes

