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Experiences with bicycle parking standards in Copenhagen

Agenda

- Background
- Best practice for bicycle parking in new buildings
- Experiences from Copenhagen

Background

- The City of Copenhagen is working to secure its status as one of the world's best cycling cities. An essential part of this is to improve the bicycle parking facilities.
- As part of the work to improve the bicycle parking facilities, Gehl has assisted the City of Copenhagen with the following:
  1) Collecting examples of best practice for bicycle parking in new buildings (national and international)
  2) Evaluated the bicycle parking at 10 new buildings in Copenhagen
  3) Assessed how the current standards for bicycle parking work

Standards for bicycle parking

Function	Norm	Cargo bike norm	Cover
Housing	4 pr. 100 m2	1 pr. 500 m2	-
Student housing	4 pr. 100 m2	1 pr. 500 m2	Min 50%
Daycare	2,5 pr. 100 m2	2 pr. 500 m2	Min 50%
Workplace	4 pr. 100 m2	1 pr. 500 m2	Min 25%
Education/schools	0,5 pr. student and employee		Min 50%
Shops	4 pr. 100 m2	1 pr. 500 m2	Min 50%

Best practice for bicycle parking in new buildings

1. Parking is integrated in the building
2. Easy access
3. Parking near entrance to home/office
4. The parking basement is locked, secured and maintained
5. Access to service (air, charging, tools)
6. Housing buildings: Extra width for cargo bikes, children or groceries
7. Cover

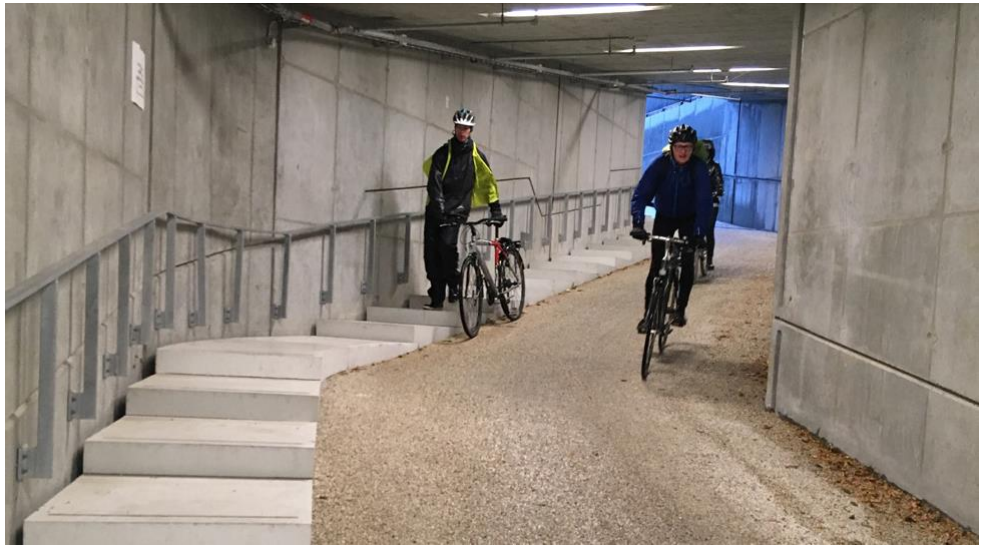
1) Parking is integrated in the building

STATIVER I 2 NIVEAUER

Cykelparkeringen er placeret under et fællesareal og er udstyret med stativer i 2 niveauer (med "sliske") for at udnytte pladsen bedst muligt.

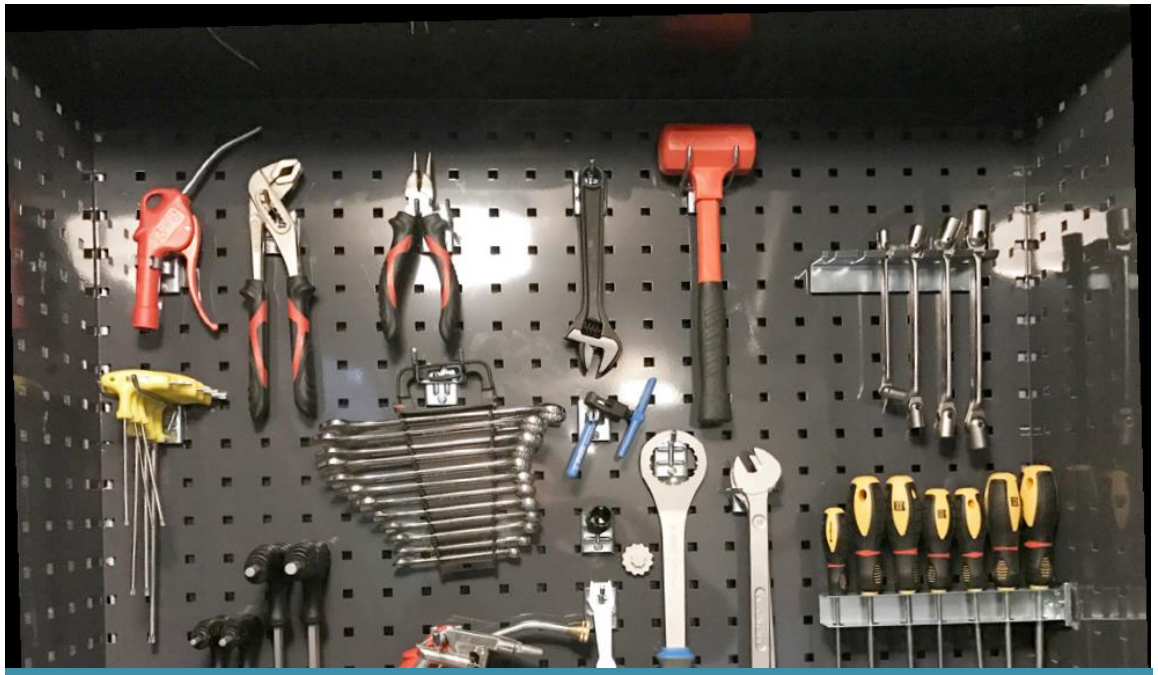
2) Easy access

AUTOMATIC GATE - MÆRSK TÅRNET
A sensor at the door ensures that you dont have to get off the bike to enter the bicycle parking



3) Parking near entrance to home/office

ACCESS TO THE BUILDING
There is a direct access to the building from the bicycle parking and clear signs



TOOLS FOR THE BICYCLE
A company handles the cleaning and other operation of the bicycle basement

4) The parking basement is locked, secured and maintained

5) Access to service (air, charging, tools)

COMMUTER - CYCLE CENTER
Common facilities as a replacement for decentralized solutions. Showerfacilities, lockers and service station.
- Cycle Center, Millenium Park, Chicago. [Foto: City of Chicago]

CYCLE ELEVATORS
Extra width on doors and elevators.

6) Housing buildings: Extra width for cargo bikes, children or groceries

7) Cover

INTEGRERET OVERDÆKNING
- Aspern Seestadt, Wien, Østrig.

OVERDÆKNING
Parkeringer i campusparken er delvist overdækket.

OVERDÆKNING
Udnyt muligheden hvis byggeri skaber overdækkede rum.
- Panum, Nørrebro.

Evaluation of bicycle parking in Copenhagen

- Bicycle parking at 10 new buildings
  - 5 office buildings
  - 5 housing buildings

- Examples of assessment themes for the evaluation:
  - Access conditions
  - Physically and visually space consuming
  - User quality
  - Services
  - Locking options
  - Cover
  - Lightning
  - E-bike and cargo bike parking

Challenges

- The access to the bicycle parking in a construction is troublesome, resulting in a significant number of bicycles outside the racks, which shields and blocks
- 2-level bicycle racks is often without a wheeling ramp
- The combination of bicycle- and carparking
- House building:
  - Parking is rarely integrated in the buildings which means that bicycle parking takes up a lot of the urban space
  - Many bicycles for children with no parking facilities
  - Removing old/abandoning bicycles
- Office building: Poor quality of short-term/guest parking at the main entrance

A positive development

- Office buildings:
  - Bicycle parking basements of high standards for employees (service station, luggage storage, changing rooms)

- Housing buildings:
  - High standards for cargo bikes (space, locking).
  - Some buildings with service stations (air, washing)

Karen Blixens Plads

- Bicycle parking and urban development project 2017-2019
- 22.400 m2 and **2.100 bicycle parking spaces**