nextbike20

Bike Sharing and Public Transport – Paving the way for future urban mobility















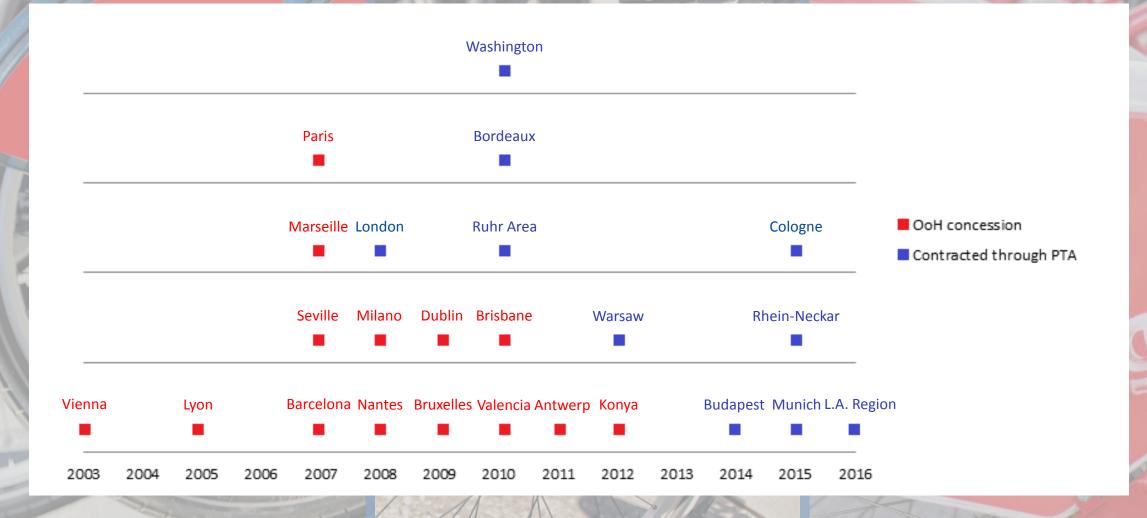
leihe für Sie bereitstehen.

C etropolradium





Shift of Bike Share Business Models



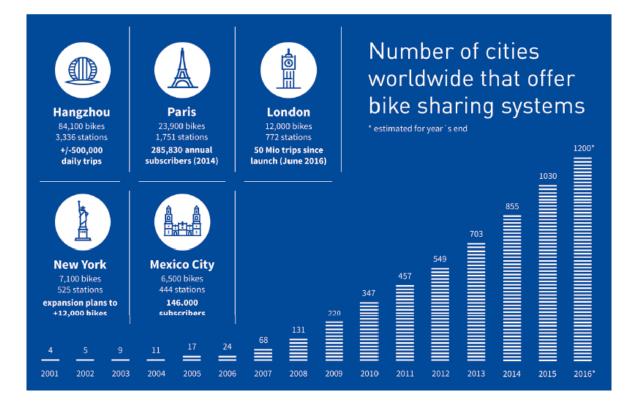
Evolution of automatized 3rd / (4th) generation bike share

- 2000 2005: exploring an idea applying try & error overcoming barriers
- 2006 2010: proof of concept learning from mistakes finding suitable operational models
- 2011 2015: maturing industry sharing experiences (ITDP, OBIS, NABSA) new technologies (Apps, Smart Bikes, Electric Bikes) creating new alliances (PT operators, sponsors)
- 2016 2020: exploring added value

how can PBS be embedded into smart cities?

how can we use bike share platforms to create cycling ecosystems?

how can new business opportunities be tapped to reduce subsidies?





PT & Bike Share – a Strategic Alliance

Foto: Münchener Verkehrsgesellschaft



Bike Share increases the PT Catchment Bear Area

Hum

Campus-Nord

Joidt Unit zu Berlin

agerstra

Berlin

Torstraße Linienstra

SCHEUN

20 mil 400 mil

MITT

Fritz-Schloß-Park

Alt-Moabit

urmstraße

5 min cycling = 1.3 km

HANSAVIERTEL

er Straße

Großer Tiergart

Straße des 17. Juni

Straße des.17, Juni

Graphic: Bike Citizens

Bike Share offers seamless Mobility Options and increases Attractiveness of PT

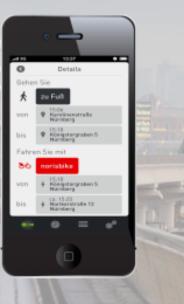


Bike Share reduces pressure on trains during Peak Demand

Bike Share S.T.I.M...ulates multi-modal user behaviour

S....ystem integration

- Integration of Bike Share into PT front end channels (App, website, ticketing machines, Invoicing)
- Open API for MaaS Applications
- NFC multi-application smart cards (DESfire EV2)





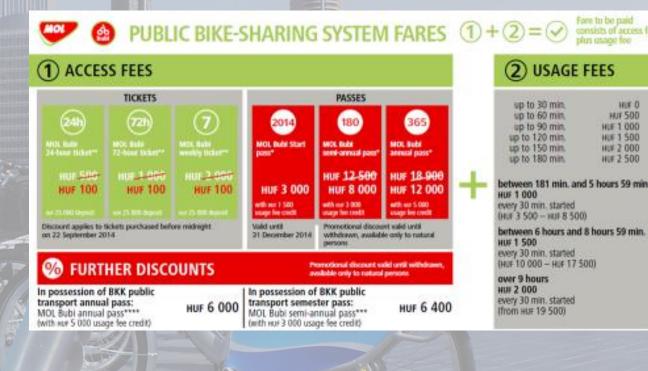
Bike Share S.T.I.M...ulates multi-modal user behaviour

T...ariff integration

- 30 min / trip free of charge for PT subscribers
- Discounted rates for PT subscribers

EMAAR

Combi-Tickets for casual PT users (day tickets)



Bike Share S.T.I.M...ulates multi-modal user behaviour

SPOKE(S)

I...nfrastructure integration

- Hub and spoke architecture
- Bike Share hubs at PT stations
- Satellite stations in cycling distance around hubs
- As dense as possible

Bike Share S.T.I.M...ulates multi-modal user behaviour

- **M...arketing integration**
- Multi-modal campaigns in busses, trains and on bikes
- Inclusion of Bike Share station network into city / PT network maps and electronic schedule systems
- Sign posting of Bike Share stations at train / metro stations



Benchmark Projects from Germany – KVB-Rad Cologne

System design and infrastructure

- 1.500 Smart Bikes in 45km² geofenced flex zone
- Localisation, rental and return via App or bike computer
- 100 hub stations until 2017 ("Hybrid System")



Benchmark Projects from Germany – KVB-Rad Cologne

System and tariff integration

- Registration and access via KVB / VRS (((e-Ticket
- Students and KVB / VRS customers receive annual membership (VRS-Chipkarten-Tarif)



Benchmark Projects from Germany – 30 Min. gratis für KVB-Rad Cologne

Mensc

Marketing integration

• Bike branding in KVB design

- Involvement of local VIP ambassadors
- Multi-modal mobility campaign

Radfahren Bringts! fit · spontan · umweltbewusst

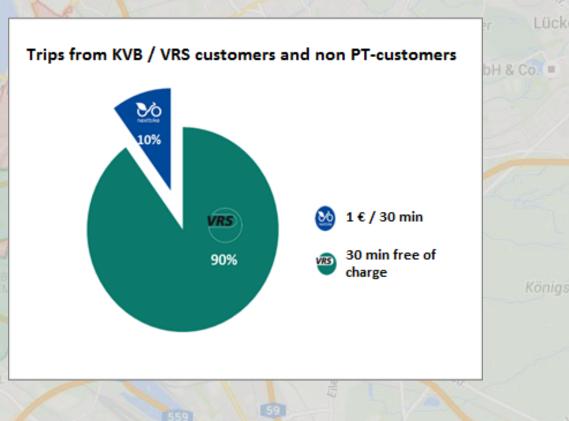


www.kvb-koeln.de/kvb-rad

Benchmark Projects from Germany – KVB-Rad Cologne

Synergies between nextbike and KVB

- Shared data = optimized location network
- Joint sales activities (B2B / Universities)
- Operational flexibility (nextbike) = reduced service fees (KVB)



Bergisch Gladbach

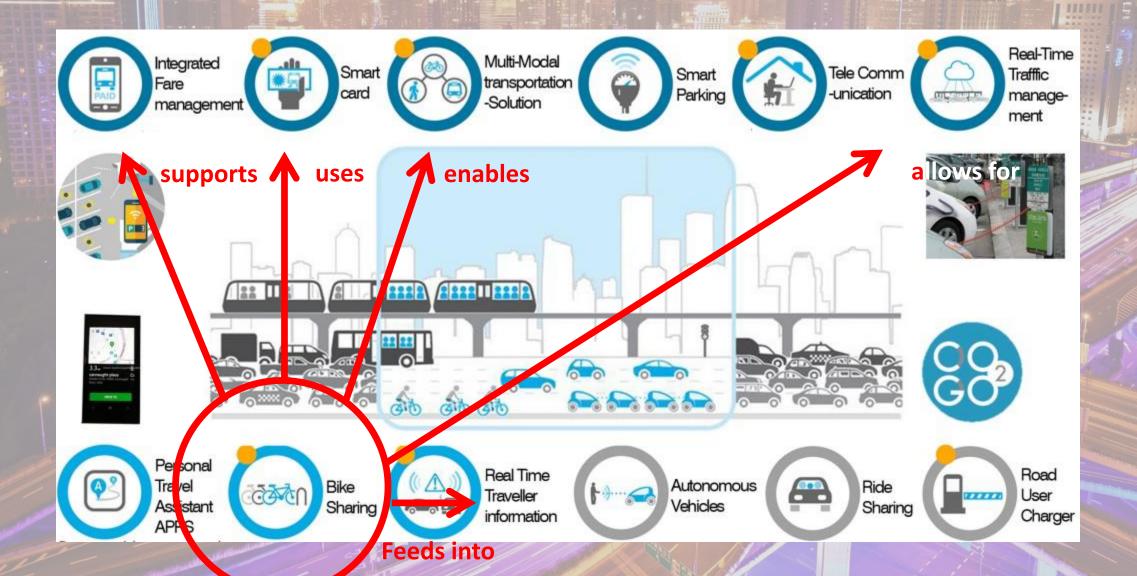
Bike Sharing – Combining a 19th Century Vehicle with 21st century technology

Real-time information about

- Trip data (start / end time, start / end location, duration, distance, etc.)
- Financial data (turnover per bike / station / customer product, etc.)
- Performance data (bike / station availability, incident log, call statistics, etc.)
- Easy access to customer database e.g. for customer surveys or advertisment



Smart Mobility – Mobility as a Service



Added value for sponsors and partners

Seamless Integration

- ightarrow Single-Sign-On via Smart Cards and multi-modal Apps
- \rightarrow Real-time information

Innovation & Technology

- \rightarrow Wifi hotspots
- \rightarrow contactless payments
- ightarrow sensors to measure air quality, surface conditions, etc

Supporting Businesses

- \rightarrow Attractive B2B packages
- \rightarrow Data analytics to calculate savings

Supporting Higher Education

- ightarrow Providing Open Source Data
- ightarrow Involve the Tech Community





Added value for sponsors and partners

Fair Treatment of Customers

 \rightarrow user feedback

\rightarrow UX rating

Improving Cities

- ightarrow traffic monitoring and sharing data
- \rightarrow user surveys

Care for the Environment

- \rightarrow Evaluate environmental benefits (CO², NOx)
- ightarrow Apply sensors to collect supporting data

Community Value

- \rightarrow Evaluate health benefits (calories)
- ightarrow social inclusiveness through free memberships





What's next? Innovative ideas around PBS

- PBS as a digital platform for local bike culture
 - Crowdsourcing tools for participatory planning process
 - App and Social Media based community activation
 - Webshops with locally produced cycling clothes / accessoires
- PBS as vehicle for innovation
 - NFC technology / mobile payments / seamless verification
 - "Predictive Balancing"
 - "Remote Diagnostics"
 - Laser lights
 - Etc. etc. etc.





When do you ?

Sebastian Schlebusch Director International Business Development nextbike GmbH

E-Mail: schlebusch@nextbike.de Phone: +49 159 – 040 53228

Please visit us at our stand

