

# Are We the Blockbuster in the Netflix Era?

Muneer Merchant Structural Group, Inc.



## Write one strategic objective would you say is fundamental to the success of your organization?

- Why is it necessary and important in the bigger picture?
- What has stopped your organization from doing it?







# If a solution is intended to "fix" what's wrong, then framing "what's wrong" in different ways can lead to different solutions

#### Strategic Objective Dig Deeper **Priority** Organic Growth Segmentation / Diversification Bundling and Unbundling **Accelerating Growth** Value Propositions Sales Force / Marketing Lower cost of Sales Margin Improvement Lower cost of production Better Estimates. Fliminate inefficiencies Highly productive and safe crews Financial Health & Risk Better Financial systems Mitigation Cash Flows Better collections Lower insurance cost, EMR rating, Work comp claims **Culture & Organization** Aligning culture to strategy Who gets rewarded, on what and why Development What level of organization is needed to support our strategies What comes first, As C level suite where do we place our efforts **Timeline** How do we prioritize our time & investment What's our investment thesis What research is needed to get the answers



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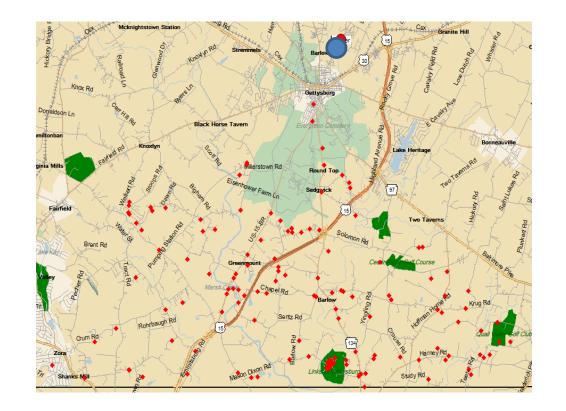
Strategic Objective	Dig Deeper	Priority
Accelerating Growth	Accelerating Growth	?
Margin Improvement	Margin Improvement	?
Financial Health & Risk Mitigation	Financial Health & Risk Mitigation	?
Culture & Organization Development	Culture & Organization Development	?
Timeline	Timeline	



### Case Study: UPS







#### 120 deliveries

What is the most cost effective way to serve these customers?





#### Approximate age of the Earth in seconds:

145,065,600,000,000,000

#### Number of ways to deliver 120 stops:



#### How Analytics Transformed Operations at UPS

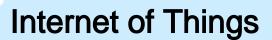




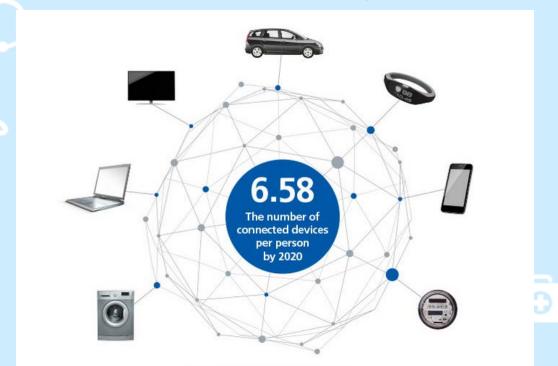










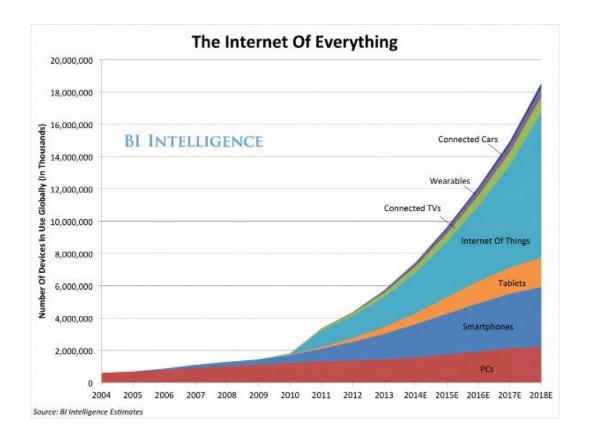




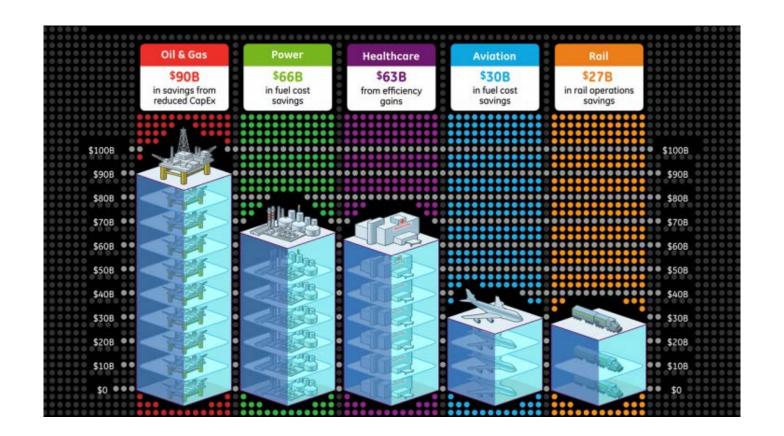












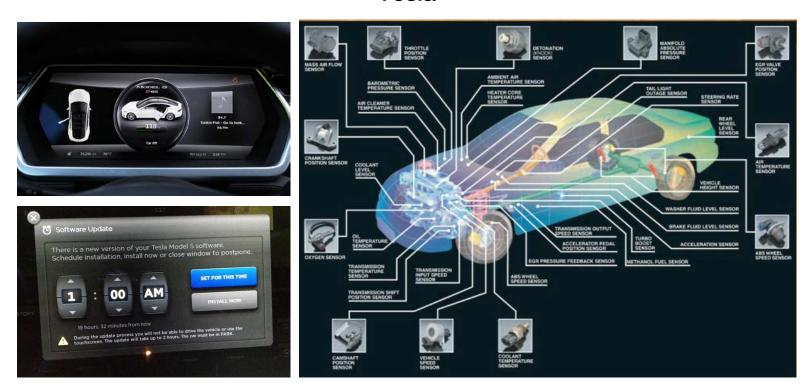


# "Software is eating the world"

#### -Marc Andreessen



#### Tesla





#### Appliances vs. Modular Systems

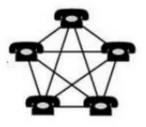




More users = more value = more users...

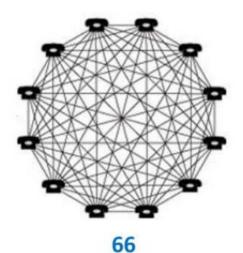
2 phones

1 connection 5 phones



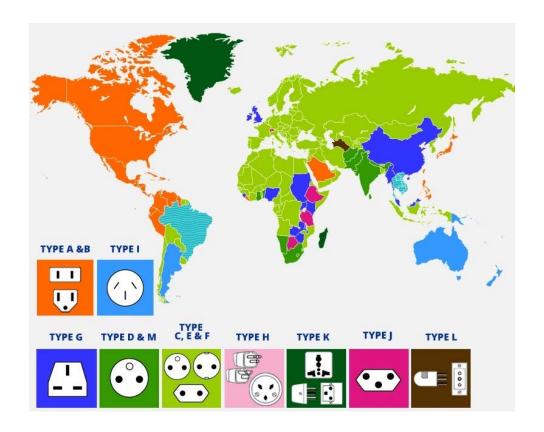
10 connections

12 phones



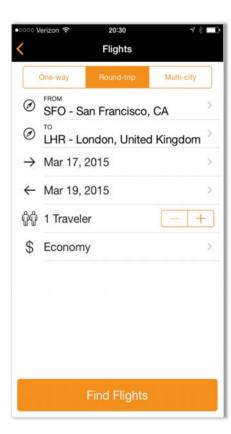
connections







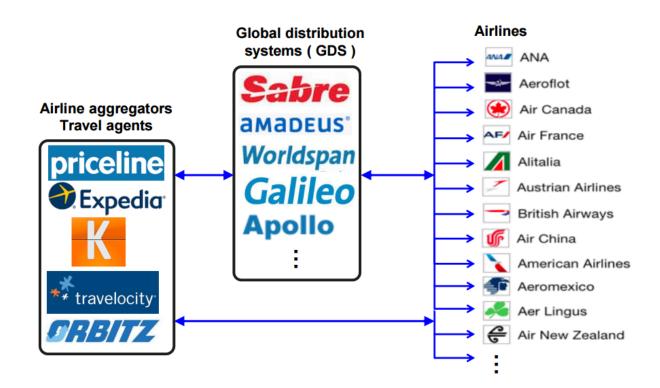




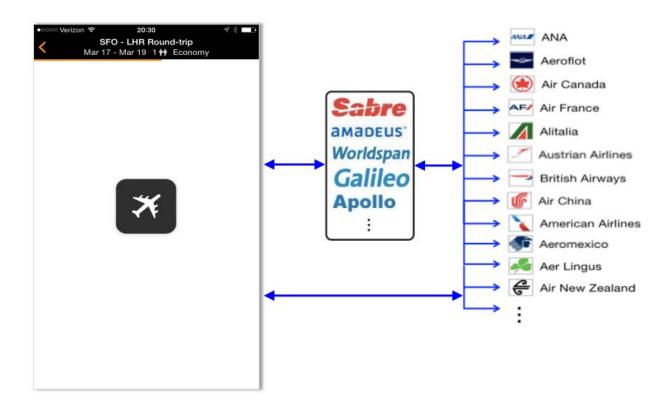
From work with Sumit Sharma, Haas MBA '08

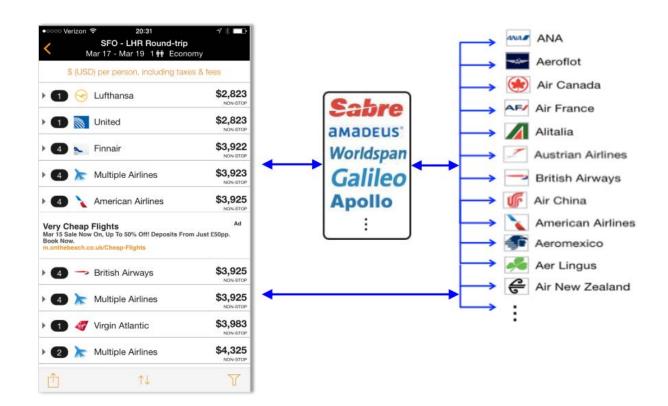




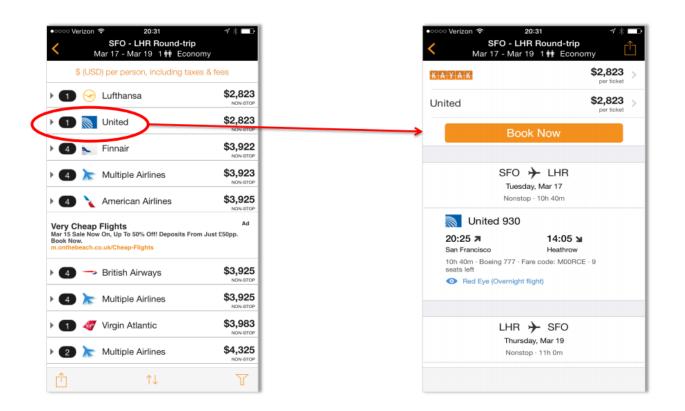




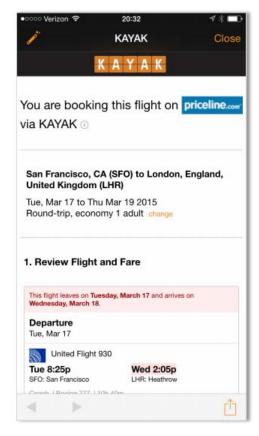


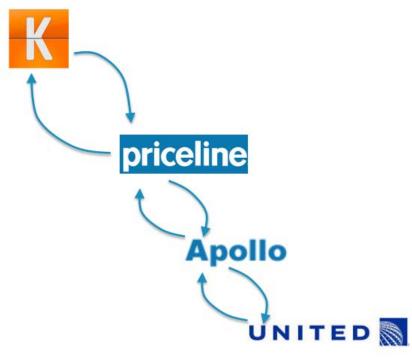








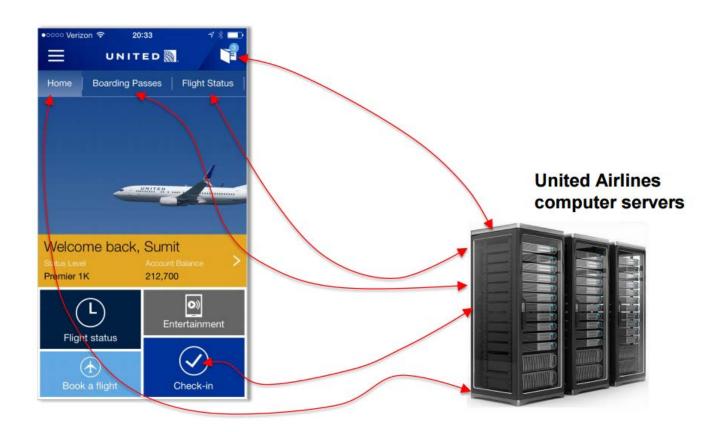






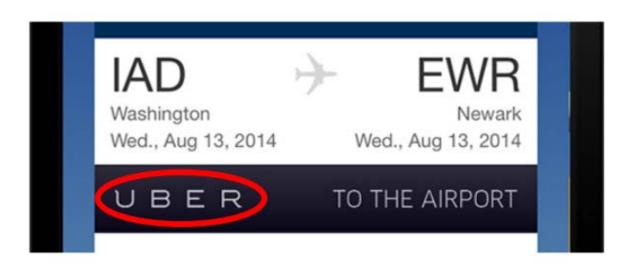






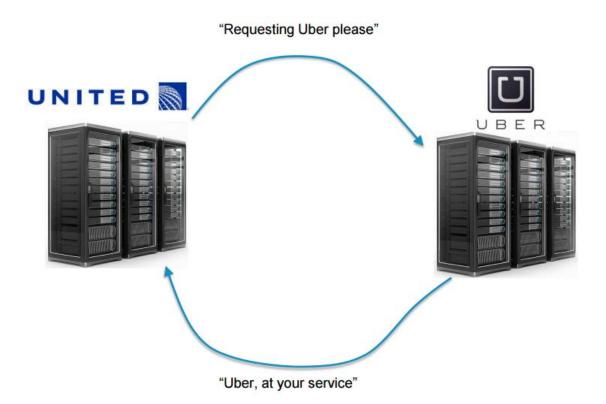


#### Uber section inside United app

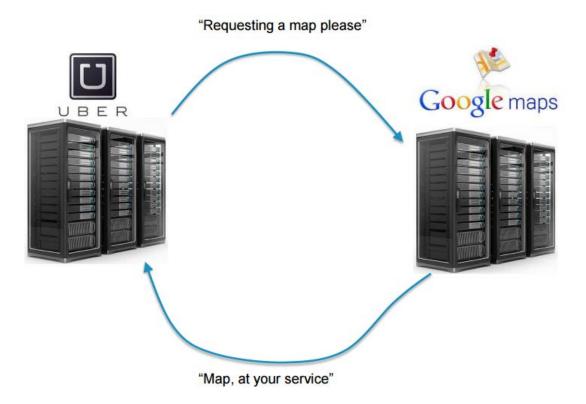






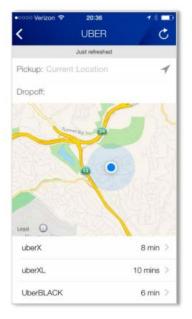




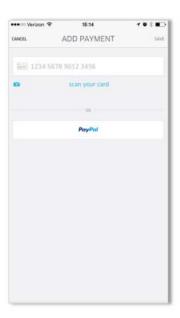




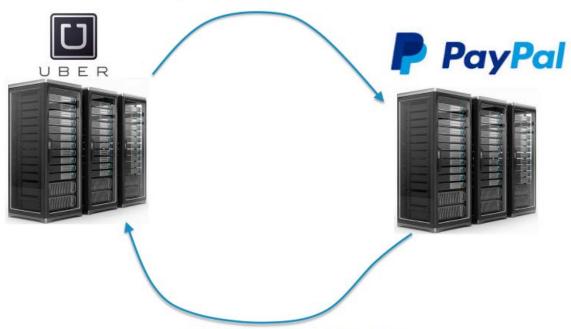




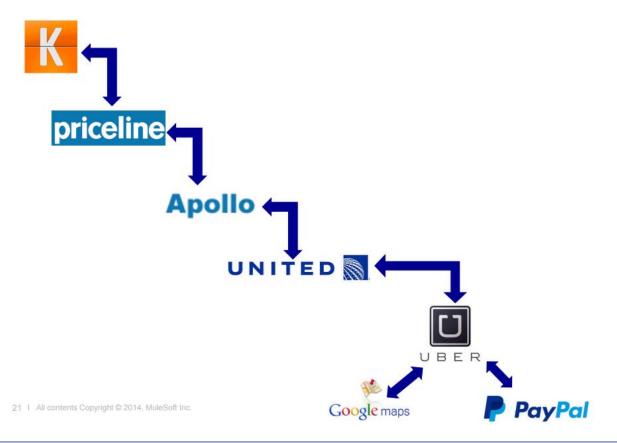




#### "Requesting a payment method please"



"Payment gateway, at your service"



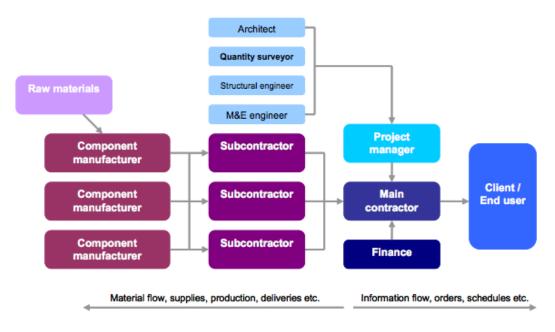


## " APIs are eating the world"

#### Greg LaBlanc



Figure 3.6: The construction supply chain



Note: This is a very simplified representation of construction supply chain. In practice a construction project may rely on tens of subcontractors and component manufacturers.

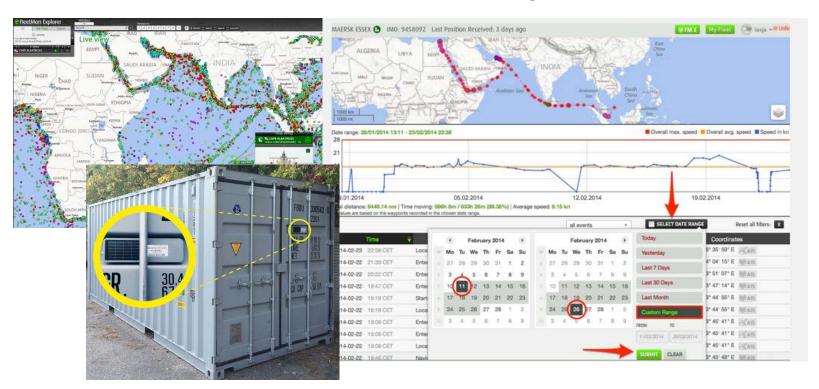


## Modularity

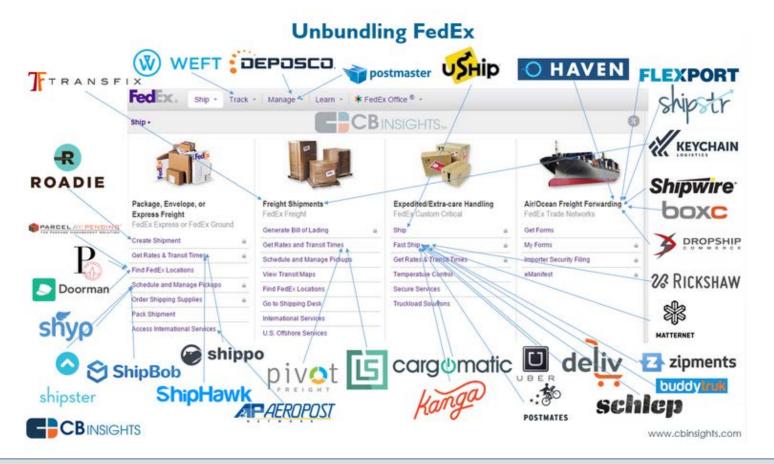




## Internet of Shipping



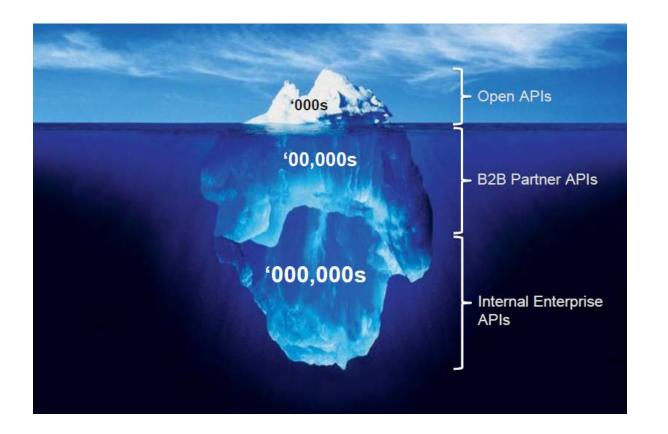














#### Imagine your car... without a speedometer





	Assets	Usage	Labor	
1	Assets Overlanding	Organisactions Transactions	Diction of the parting of the partin	Od work
Sector	3,	* 0	and a dia	a D
CT2				
Media				
Professional services				
Finance and insurance				
Wholesale trade				
Advanced manufacturing				
Oil and gas				
Utilities				
Chemicals and pharmaceutic	cals			
Basic goods manufacturing				
Mining				
Real estate	•			
Transportation and warehou	sing •			
Education	•			
Retail trade	•			
Entertainment and recreation	on			
Personal and local services				
Government	•			
Healthcare				
Hospitality				
Construction				
Agriculture and hunting				



#### Tech is the answer, but what is the question?



#### Urban-tech investment 2016-2018

Year	Urban-tech investment	Total global venture-capital investment
2018 (to date)	\$13.9 billion (11.3%)	\$123.1 billion
2017	\$44.1 billion (22.8%)	\$192.7 billion
2016	\$18.8 billion (13.2%)	\$140.6 billion
Total	\$76.8 billion (16.8%)	\$456.4 billion

#### Leading urban-tech sectors 2016-2018

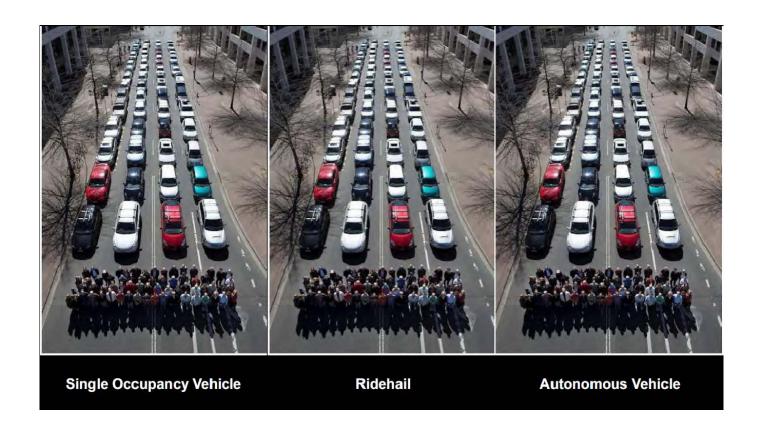
Sector	VC investment	Share of investment	Number of startups	Share of startups
Mobility/ride-hailing	\$46.8	61.0%	258	19.2%
Food delivery	\$14.6	19.0%	410	30.6%
Co-living & co-working	\$6.4	8.3%	109	8.1%
Bikes and scooters	\$6.4	8.3%	102	7.6%
Smart cities	\$5.6	7.3%	154	11.5%
Real estate tech	\$3.2	4.2%	117	8.7%
Construction technology	\$2.5	3.2%	192	14.3%
Total	\$76.8		1342	



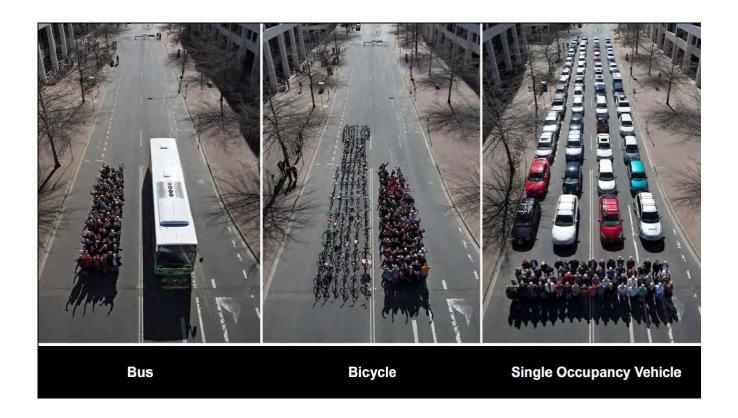
Autonomous
Vehicles
Will save us, right?













# What are today's most important Urban problems / opportunities



# What kind of urban technology will shape our cities?



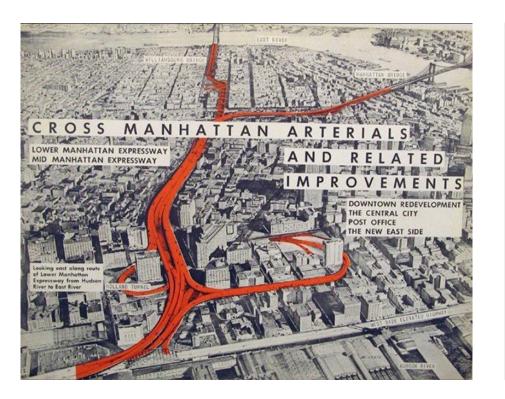




# What can today's innovator learn from Urban renewal and high modernism







# China's top tech firms launch smart city initiative

Ping An, Alibaba, Tencent and Huawei are leading a smart city initiative in China, with 500 cities throughout the country on board.



China's smart city initiative is taking a collaborative approach, involving the country's top tech firms.



# Trends in Housing Tech and Innovation

- Design and Construction
  - Design and Building Coordination





# SOCIAL CONSTRUCT

so we can all afford to live in places we lov



# Trends in Housing Tech and Innovation

- Design and Construction
  - Industrialized Construction











### Glad to connect



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### THANK YOU – Any questions?

