#SHIFTHAPPENS
@connectivecities

SHIFTSCHOOL

Digitization

Digitalization

Digital Transformation

SHIFTSCHOOL

SHIFTSCHOOL

GCI 2016 ranking table

Frontrunners

		SCORE
1	United States	74
2	Singapore	72
3	Sweden	70
4	Switzerland	68
5	United Kingdom	65
6	Denmark	64
7	South Korea	63
	Netherlands	63

Adopters

		SCORE
17	Spain	51
18	Portugal	50
19	United Arab Emirates	50
20	Qatar	47
22	Italy	46
23	China	44
24	Chile	

Starters

	Philippines	
	Egypt	
	Venezuela	
	Indonesia	32
	Morocco	30
	Vietnam	30
	India	30
	Algeria	28
	Kenya	27
	Ghana	27
	Nigeria	26
	Bangladesh	23
	Pakistan	21

Score	Rank	Country Name	Score
56.31	26	Portugal	33.41
55.23	27	Chile	33.25
53.52	28	Slovenia	33.17
53.41	29	China	33.20
53.32	30	Turkey	31.95
51.79	31	Czech Republic	31.87
51.49	32	Saudi Arabia	31.87
51.17	33	South Africa	30.86
50.63	34	Brazil	29.86
49.86	35	Thailand	28.42
49.83	36	Slovak Republic	28.27
48.14	37	Mexico	27.23
47.18	38	Italy	27.12
47.04	39	Poland	26.73
46.26	40	Russia	24.65
45.81	41	Greece	24.08
45.71	42	India	33.17
44.13	43	Colombia	23.97
44.07	44	Hungary	21.93
43.49	45	Vietnam	20.29
43.29	46	Indonesia	19.85
39.69	47	Philippines	19.38
39.43	48	Egypt	17.28
39.36	49	Kenya	16.88
37.39	50	Nigeria	13.77

Global rank*

1
2
3
4
5
6
7
8
9
10

1. Political and regulatory environment

10. Social impacts

9. Economic impacts

4. Affordability

5. Skills

6. Individual usage
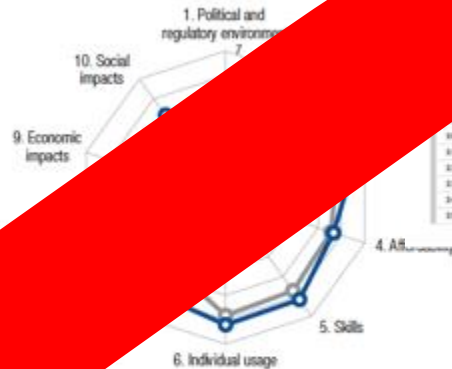
— Germany   —○— High-income group average

HOW COUNTRIES SCORED ACROSS FOUR DIGITAL EVOLUTION INDEX (OUT OF 100)

70

60

50

Singapore

Rep.
New Zealand
Ireland
U.A.E.
Israel
Malaysia
Estonia
STAND OUT

Portugal Slovenia
Turkey Chile China
WATCH OUT   Saudi Arabia
Poland Italy Slovak Rep.   South Africa Mexico
Greece Thailand
Hungary   Russian Fed.   India Colombia
Indonesia   Vietnam
Egypt Kenya Philippines   BREAK OUT
Nigeria

-6   -4   -2   0   2   4   6   8   10
Slowly receding   Slowly advancing   Rapidly advancing

RATE OF CHANGE IN DIGITAL EVOLUTION FROM 2008–2013

EVOLUTION INDEX, THE FLETCHER SCHOOL AT TUFTS UNIVERSITY   HBR.ORG

Change in Scores Over Time (2008-2015)

Subindex D:

9th pillar: Economic

10th pillar: Social impacts

ASK FIRST

THEN UNDERSTAND

AND THEN UNLEARN

BEFORE YOU RELEARN

SHIFTSCHOOL

A **smart city** is an [urban area](#) that uses different types of electronic data collection sensors to supply information which is used to manage assets and resources efficiently. This includes data collected from citizens, devices, and assets that is processed and analyzed to monitor and manage traffic and transportation systems, power plants, water supply networks, waste management, law enforcement, information systems, schools, libraries, hospitals, and other community services. The smart city concept integrates [information and communication technology](#) (ICT), and various physical devices connected to the network (the [Internet of things](#) or IoT) to optimize the efficiency of city operations and services and connect to citizens. Smart city technology allows city officials to interact directly with both community and city infrastructure and to monitor what is happening in the city and how the city is evolving.

SHIFTSCHOOL

USER**EXPECTATION**

| 1900 Useful | 1960 Reliable | 2000 Individual | 2015+ Customer Experience |

SHIFTSCH⌂⌷L

WHO WANTS CHANGE?

WHO WANTS TO CHANGE?

SHIFTSCHOOL

by Alan O'Rourke

6%

AVERAGE OF ADULTS THAT DEMONSTRATED THE HIGHEST LEVEL OF PROFICIENCY IN "PROBLEM-SOLVING IN TECHNOLOGY-RICH ENVIRONMENTS."

Source: World Economic Forum 2017

SHIFTSCHOOL

21st-Century Skills

Foundational Literacies
How students apply core skills to everyday tasks

- 1. Literacy
- 2. Numeracy
- 3. Scientific literacy
- 4. ICT literacy
- 5. Financial literacy
- 6. Cultural and civic literacy

Competencies
How students approach complex challenges

- 7. Critical thinking/ problem-solving
- 8. Creativity
- 9. Communication
- 10. Collaboration

Character Qualities
How students approach their changing environment

- 11. Curiosity
- 12. Initiative
- 13. Persistence/ grit
- 14. Adaptability
- 15. Leadership
- 16. Social and cultural awareness

Lifelong Learning

SHIFTSCHOOL

Source: World Economic Forum 2017

[peccatum mortiferum digitalis]
THE DIGITAL VICES

SHIFTSCHOOL

[*superbia*]
PRIDE

⬅➡ humility

wrong mindset

no rolemodels

SHIFTSCHOOL

SVPERBIA

GROWTH   FIXED

#challenge ———————————— #avoidance

#feedback ———————————— #ignorance

#development ——————————— #fixedtalent

#persistence ——————————— #givingup

#teamplayer ——————————— #lonelyhero

#failureculture ———————— #perfectionism

#lifelonglearning ——————— #entitlement

SHIFTSCH◻OL

[avaritia]
GREED

⬌ generosity

defending status quo

no risk, no fun

SHIFTSCHOOL
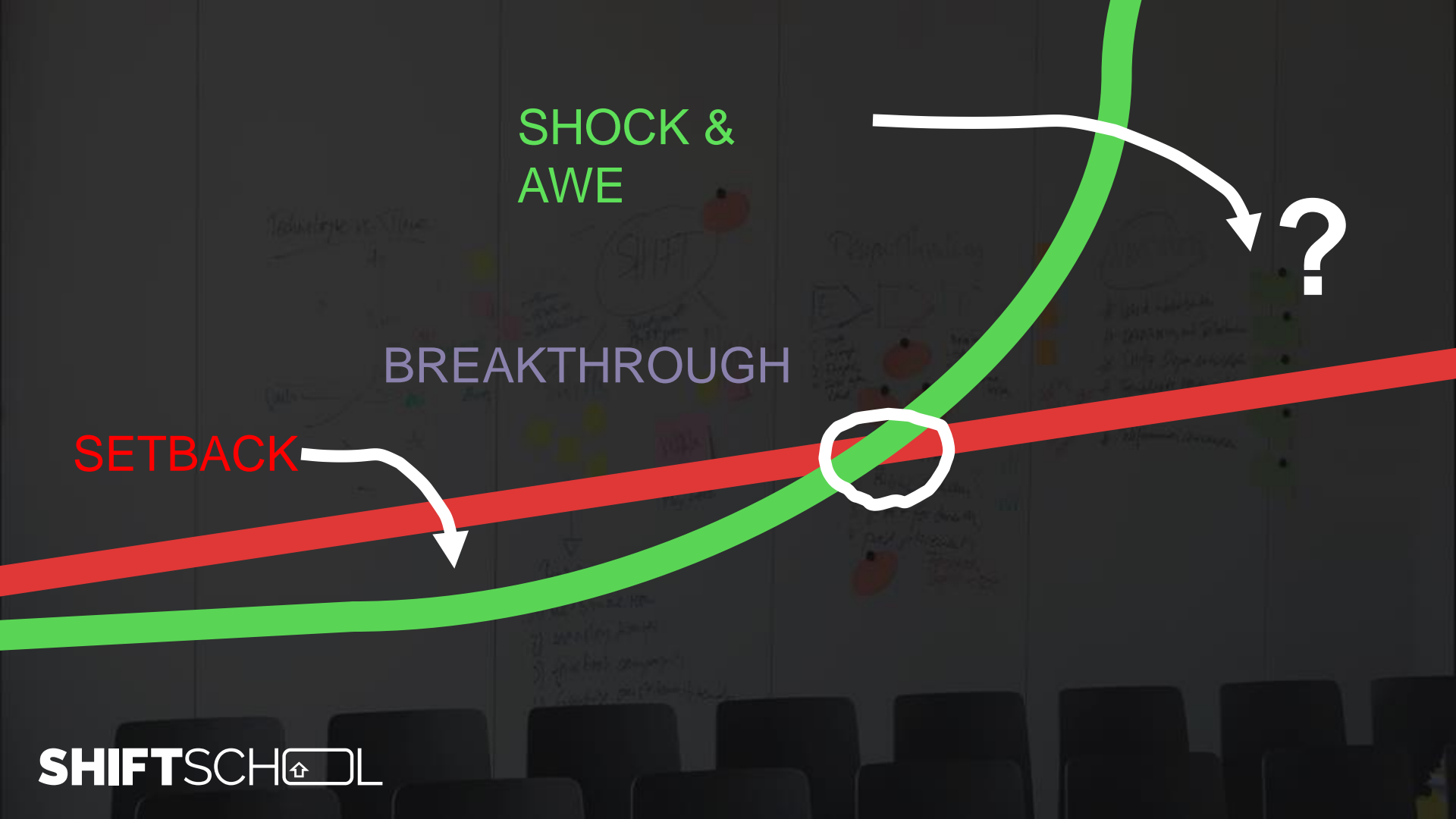
The current campaign against individual mobility and thus against the car is taking on existentially threatening proportions.

SHIFTSCHOOL

PERFORMANCE

TIME

SHIFTSCHOOL

[luxuria]
HEDONISM

⬅➡ responsibility

me, myself, and I

lack of entrepreneurship

SHIFTSCHOOL

LVXVRIA
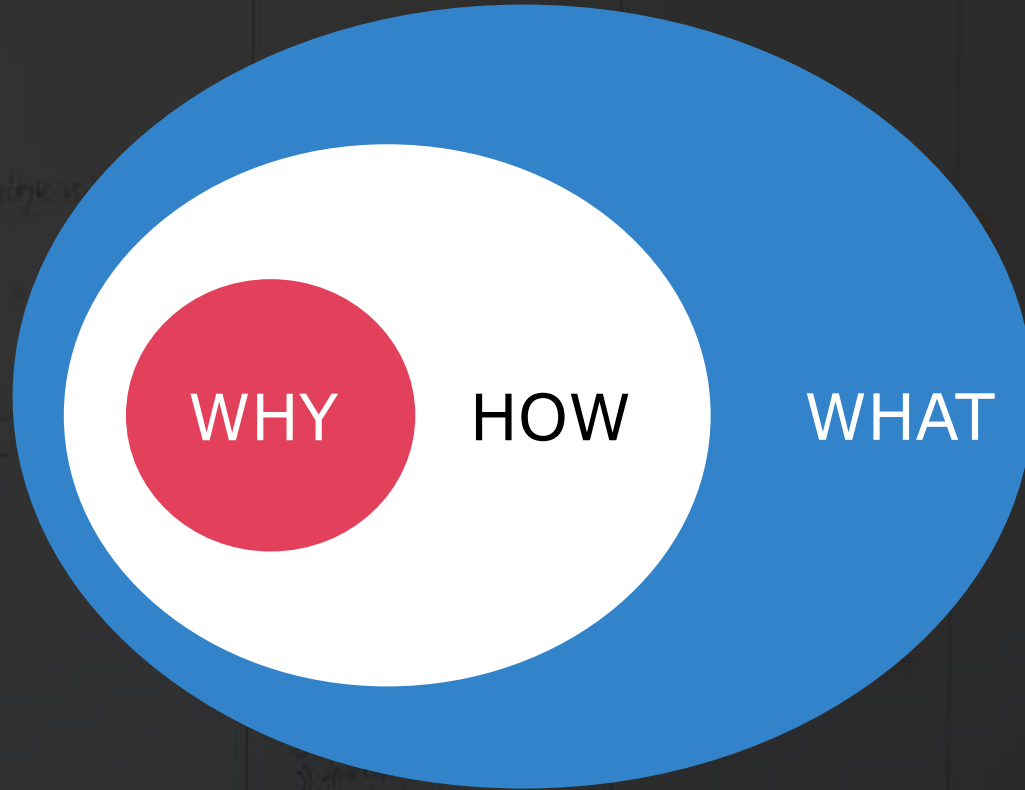
[ira]
WRATH

⬌ perseverance

lots of actionism / lip service

no endurance

SHIFTSCHOOL

VISION	SKILLS	INCENTIVES	RESOURCES	ACTION	= SUCCESS
	SKILLS	INCENTIVES	RESOURCES	ACTION	= CONFUSION
VISION		INCENTIVES	RESOURCES	ACTION	= ANXIETY
VISION	SKILLS		RESOURCES	ACTION	= RESISTANCE
VISION	SKILLS	INCENTIVES		ACTION	= FRUSTRATION
VISION	SKILLS	INCENTIVES	RESOURCES		= FALSE STARTS

Source Villa/Thousan, Framework for Thinking about System Change, 2000
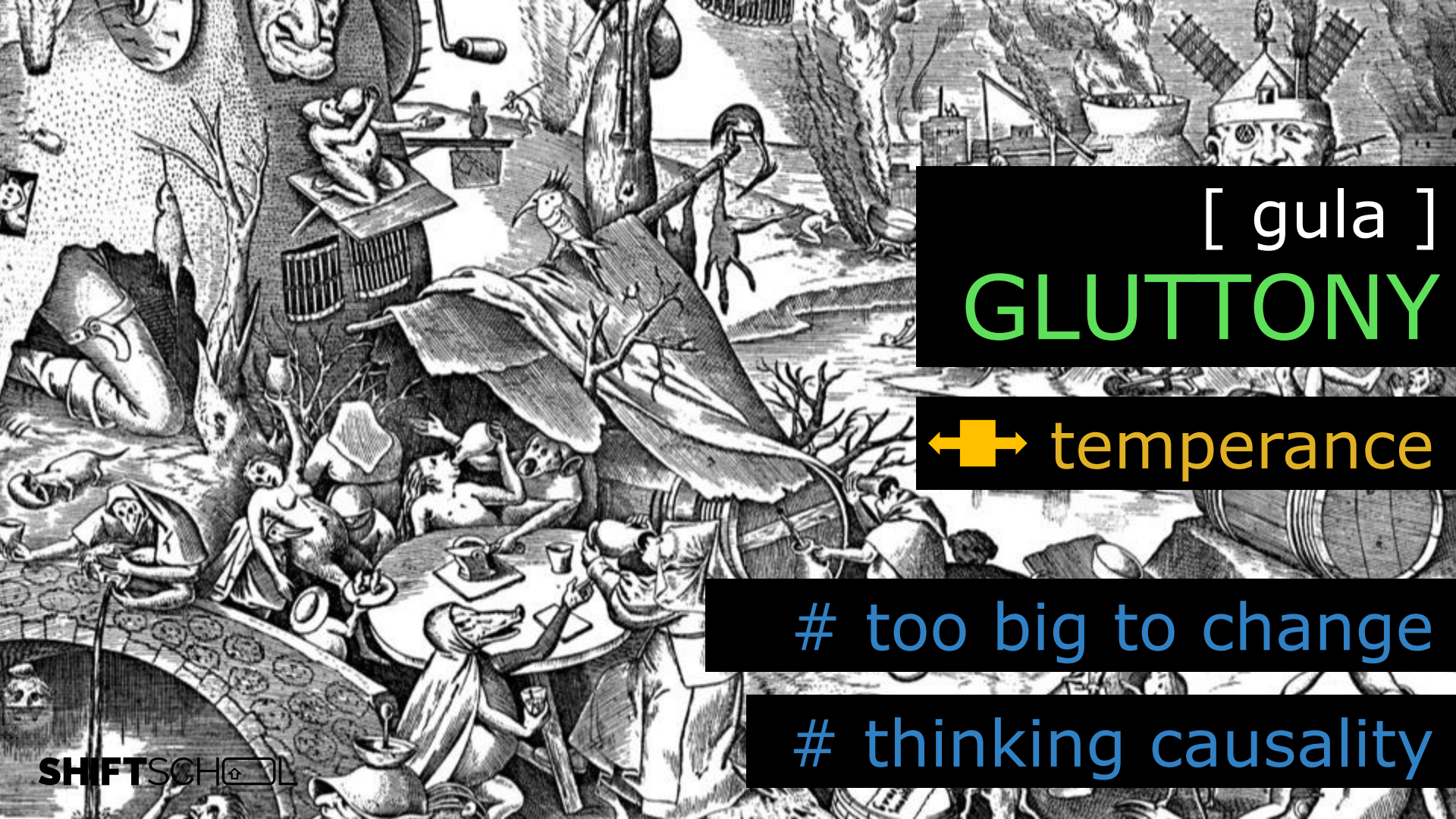
SHIFTSCHOOL

[gula]
GLUTTONY

⬅◼➡ temperance

too big to change

thinking causality

SHIFTSCHOOL

[invidia]
ENVY

⬅➡ gratitude

# no innovation culture

stupid organizations

SHIFTSCHOOL

INVIDIA

"Validated learning."

BUILD
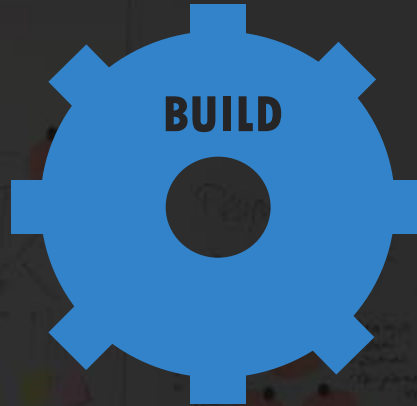
"Work smarter, not harder."

LEARN

"Eliminate uncertainty."

MEASURE
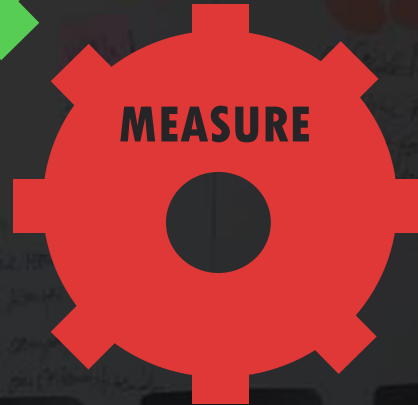
"Develop Minimum Viable Products."

SHIFTSCHOOL

[acedia]
SLOTH

⬅➡ industriousness

carreer entitlement

no adaptivity

DESIDIA

SHIFTSCHOOL

CHANNEL

VALUE CHAINS

BUSINESS MODELS

SHIFTSCHOOL

Verbundpass

VGN

Vor- und Zuname
Tobias Burkhardt

Straße, Hausnummer
Sommerstr. 8

PLZ, Wohnort
90762 Fürth

Unterschrift

---

e DB Frankenbus eTicket

13-30.028.004-0

Herr
Tobias Burkhardt

ESTW VAG

09/2023

VGN
Verkehrsverbund Großraum Nürnberg

SHIFTSCHOOL
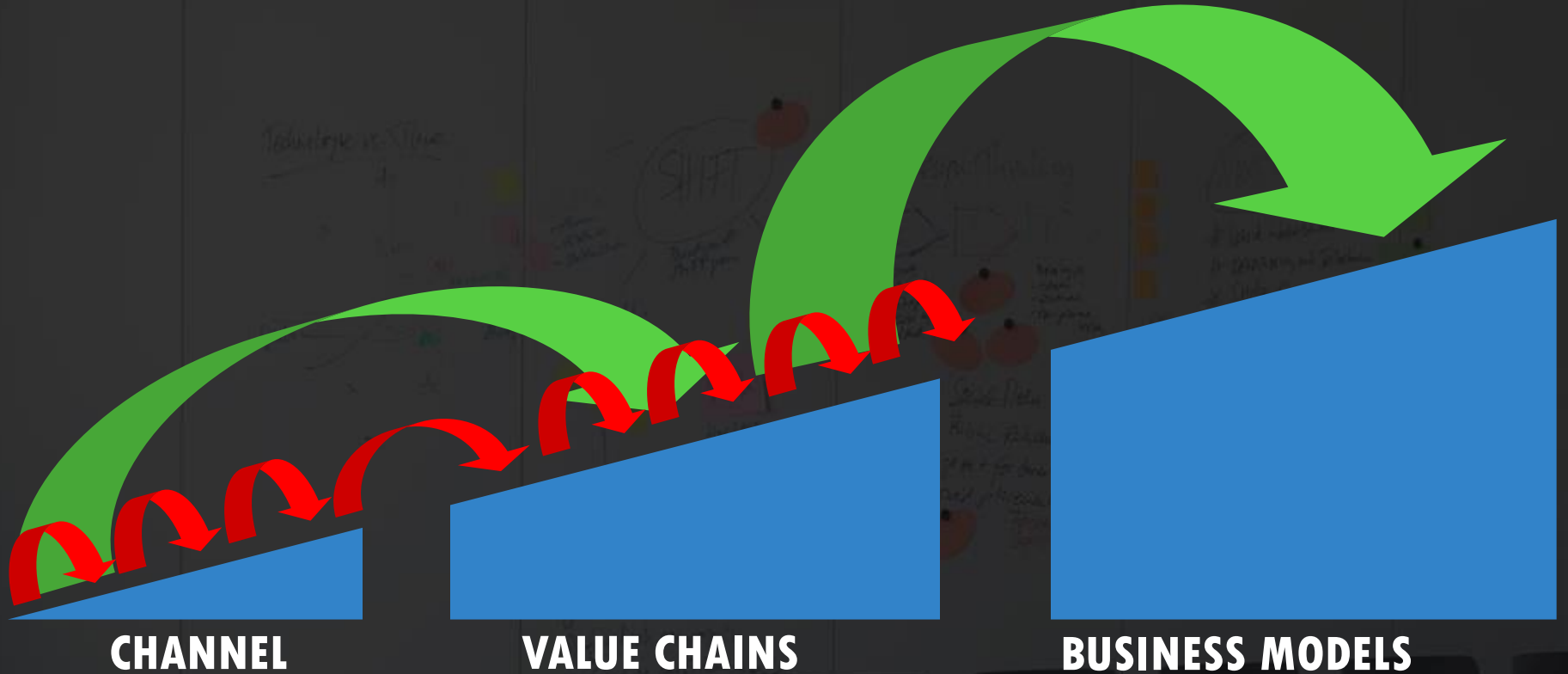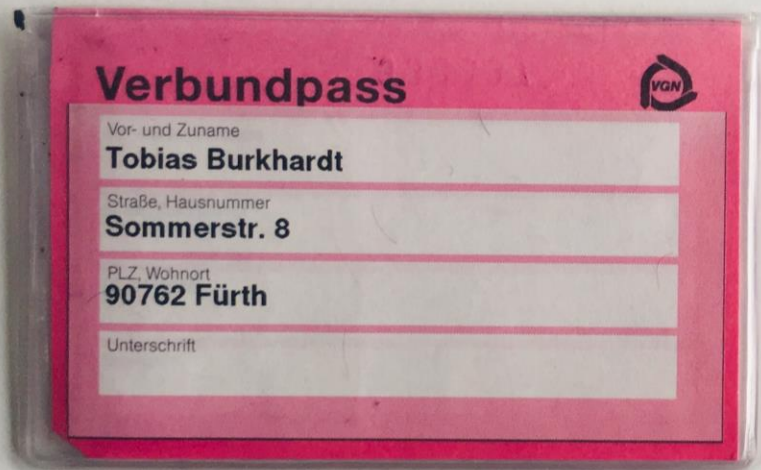
„Problems cannot be solved with the same mind set that created them."

SHIFTSCHⒶOL

tobias@shiftschool.de

www.shiftschool.de

SHIFTSCHOOL