ICTS AS A GREEN TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT


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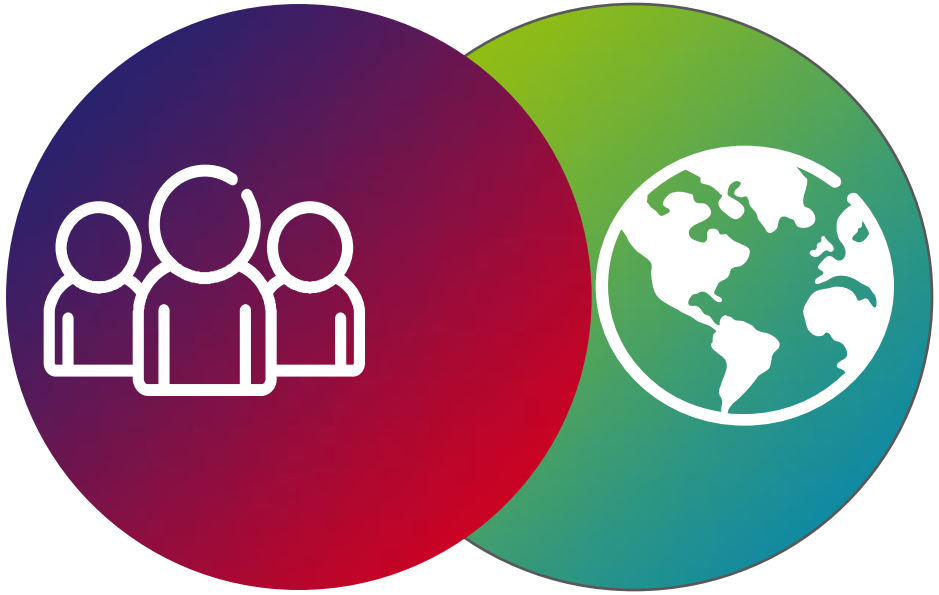
ERICSSON SUSTAINABILITY FOCUS AREAS

Communication for All

Socio-economic benefits/GDP

Bridge digital divide

Enabling access to healthcare education a livlihood



Climate Change

Energy efficiency:
networks, products, solutions

Alternative energy, green sites

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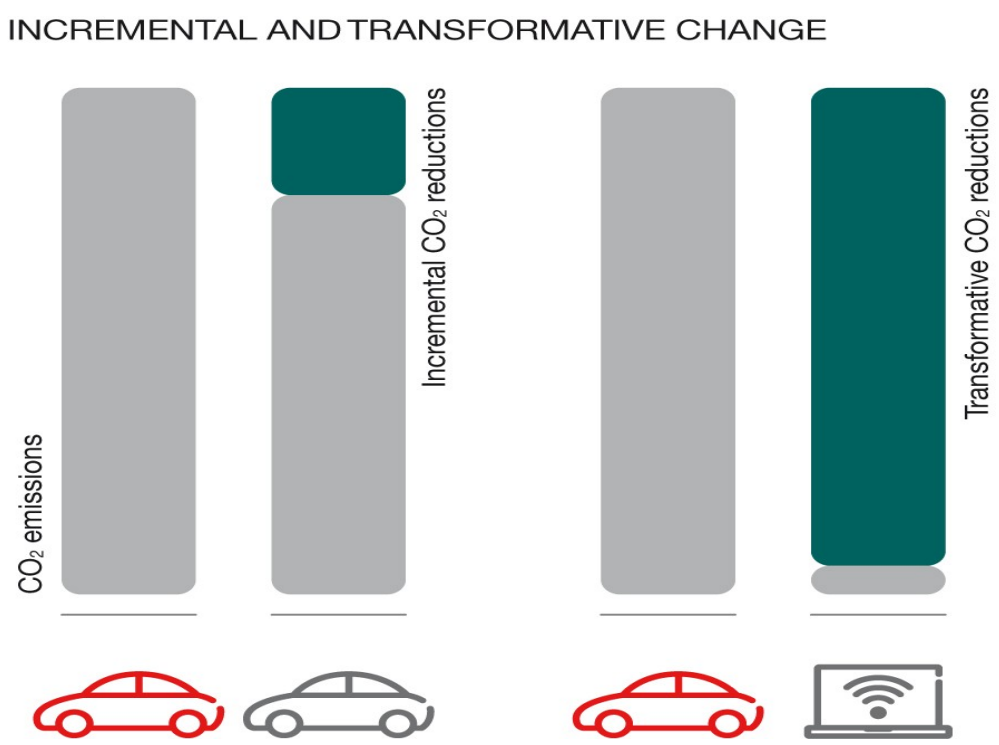
Global equity and the human impact of climate change

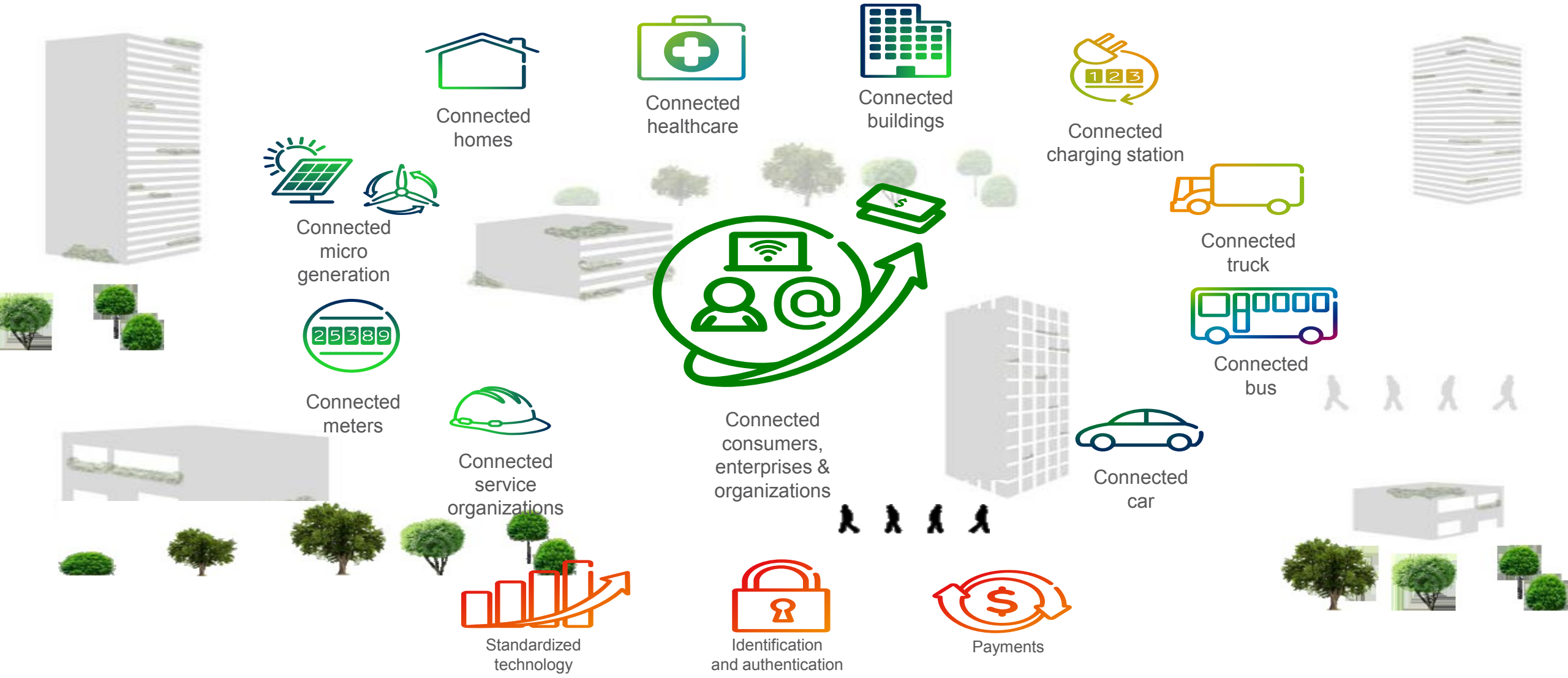
OUR CORE TECHNOLOGY IS OUR CONTRIBUTION

ENVIRONMENTAL DRIVERS FOR CONNECTING MORE PEOPLE AND THINGS



15% CO_2 savings ~ € 600b. by 2020

THE CONNECTED CITY



STOCKHOLM ROYAL SEAPORT

2010 - 2030

10000 appartments

30000 workplaces

City of Stockholm CO2 goals:

1,5 tonnes CO2 per capita by 2020 *(today 3,8 Stockholm)*

STOCKHOLM ROYAL SEAPORT
OUR FOCUS

Industry Sectors

Safety & Security

Utilities

Health

Transport

Energy

Education

Content

Common Communication Core

Industry enablers

Communication enablers

50B Devices

3G HSPA/LTE

IP Broadband

NETWORK

URBAN SMART GRID

Energy

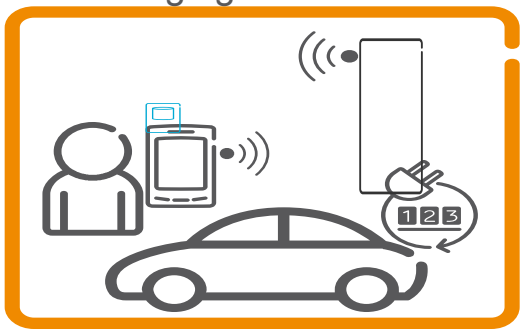
The Urban Smart Grid

2010 Pre-study >> Prototype >> Trial >> Evaluation >> Scale-up

ERICSSON ABB Fortum Electrolux

JM, NCC, Byggvesta, HSB, KTH, Interaktiva institutet, Svenska Hamnar

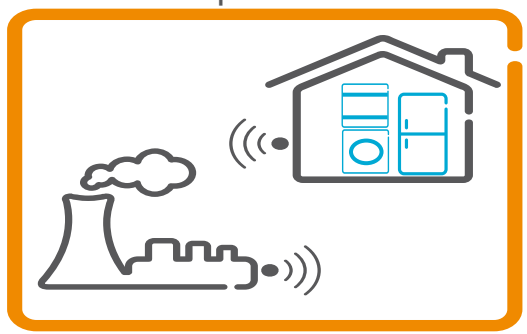
EV Charging



Visualization

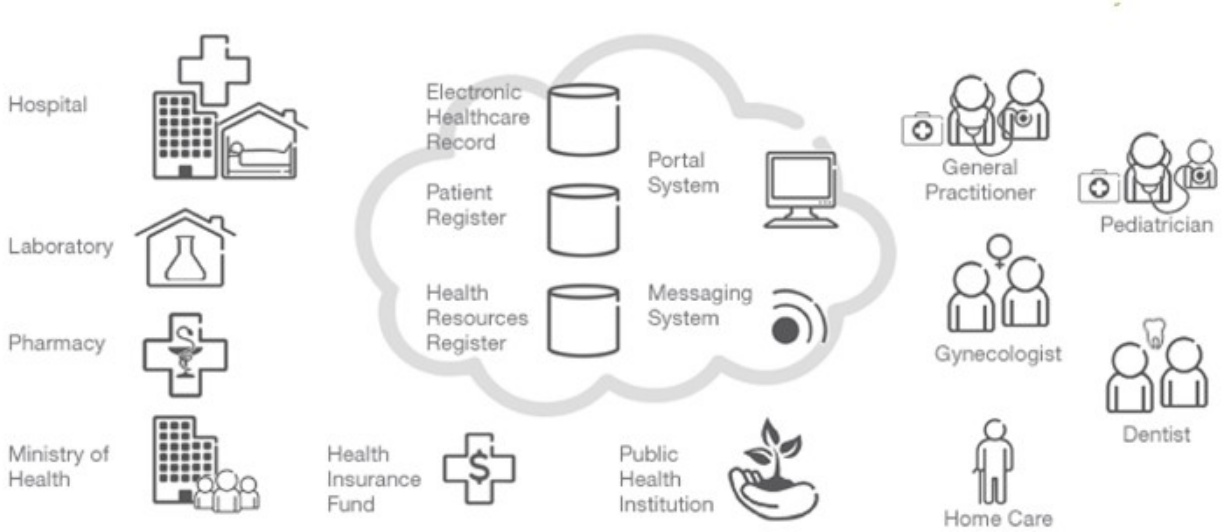
Micro-gen & storage

Demand response



Common Communication Core

ASSESSING THE IMPACT – E-HEALTH CROATIA



The Healthcare Networking Information System

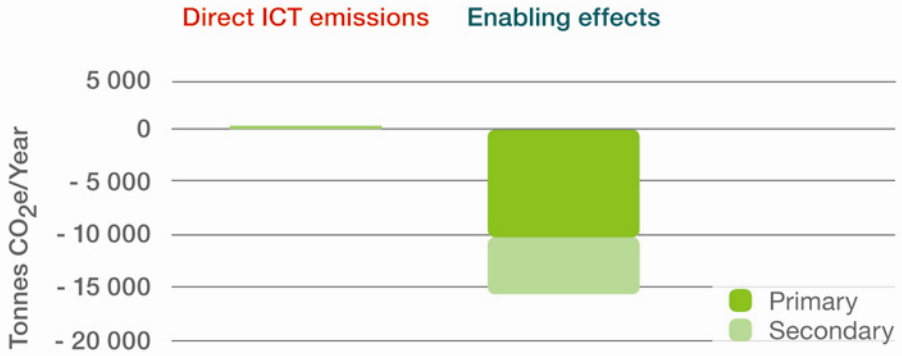
	Primary	Secondary
+ Direct ICT emissions	Emissions from ICT equipment required for e-referrals and e-prescriptions	
- Enabling effects	Reduced private vehicle use Reduced paper use	Reduced public vehicle use Reduced vehicle production Reduced road construction *Reduced clinic use** *Reduced clinic construction**

Potential effects of e-health delivery system implementation
(Source: Evaluating the carbon-reducing impacts of ICT, GeSI 2010)
**not considered in this case study*

Reduction ratio

1: 45

330 tonnes : 15 000 tonnes



E-referrals and e-prescriptions impact

ASSESSING THE IMPACT – MOBILE MONEY KENYA

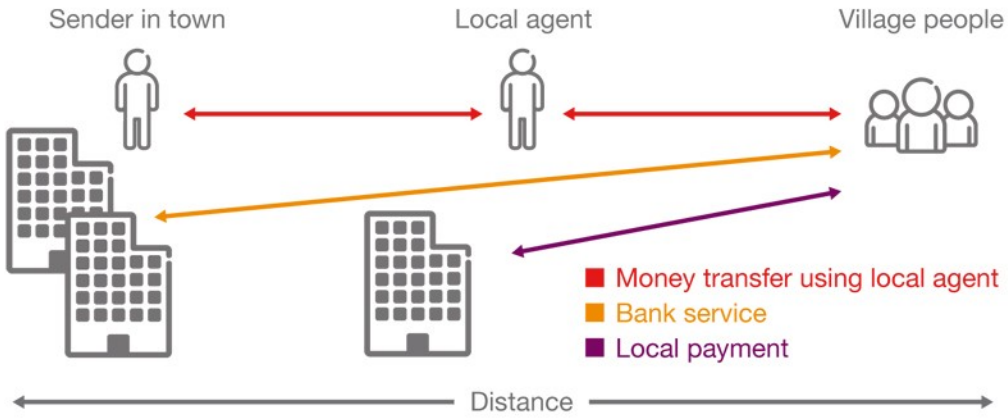


Figure 1: Mobile Money studies use cases

	Primary	Secondary
+ Direct ICT emissions	Datacenter, call center and mobile network traffic	
- Enabling effects	Reduced public vehicle use	*Reduced road infrastructure** *Reduced number of public vehicles** *Avoided bank infrastructure**

Figure 2: Potential effects of Mobile Money implementation
(Source: Evaluating the carbon-reducing impacts of ICT, GeSI 2010)
**not considered in this case study*

Reduction ratio

1: 65

2.1 ktonnes : 140 ktonnes

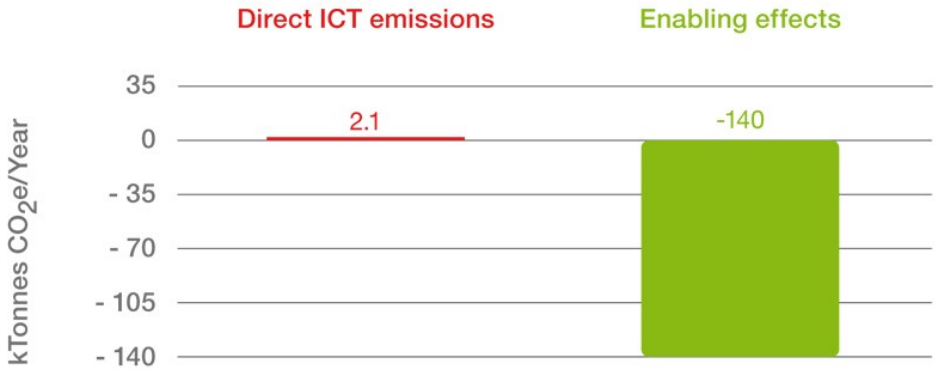


Figure 3: *The impact of Mobile Money*

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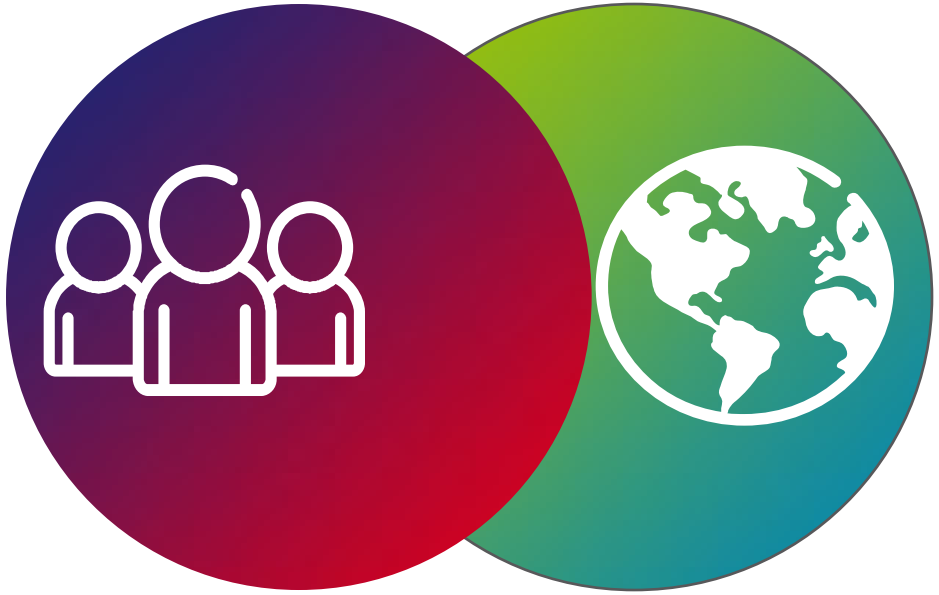

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