

Die Energiewende und das Smart Grid (3)

Finance Quo Vadis

Smart Mensch

sh, jd 2020



Die Energiewende und das Smart Grid (3)

Finance – sh,jd 2020-2021

1 Billion People do not have bicycles, no proper fireplace and no light after nightfall.

They have 1Dollar a day. This is \$365 Billion a year. **\$3.650 Billion a decade.** Pretty much but none to spare. !

The idea is: provide bicycles, bricked chimney and electrified townhall as center for school with running waterpumps at day and light at night.

This provides basic mobility, more mother-child time and education. Also dignity.

Why should this not lead to economic growth and ~**\$5.000 Billion a decade**? *Creating new markets – Creating more space you really love to live in.*

Start with 10% of target group and investment of some cheap \$14 Billion Dollars and see what happens.

Learn and apply on next 10%. Targets pretty much all UN Goals.

That's it. The rest of this paper is just pictures and iteration and advertisement.



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1 Milliarde Menschen haben kein Fahrrad, keine anständige Kochstelle und kein Licht nach Sonnenuntergang.

Aber sie haben \$1 am Tag - \$365 Milliarden im Jahr und \$3.650 Milliarden im Jahrzehnt. Ganz schön viel – aber keinen 1\$ übrig.

Die Idee ist die: stelle Fahrräder zur Verfügung, Kaminbau und Schul-Waben mit Elektrizität – Wasserpumpen am Tag, Licht bei Nacht.

Ein Fahrrad braucht man+frau+kind, Bildung und mehr Mutter Kind Zeit sind Folgen. Und Würde als Mensch. Perspektive zum Leben.

Warum sollte sich daraus keine Steigerung von Produktivität ergeben auf \$5.000 Milliarden im Jahrzehnt? Creating new markets – Creating more space you really love to live in.

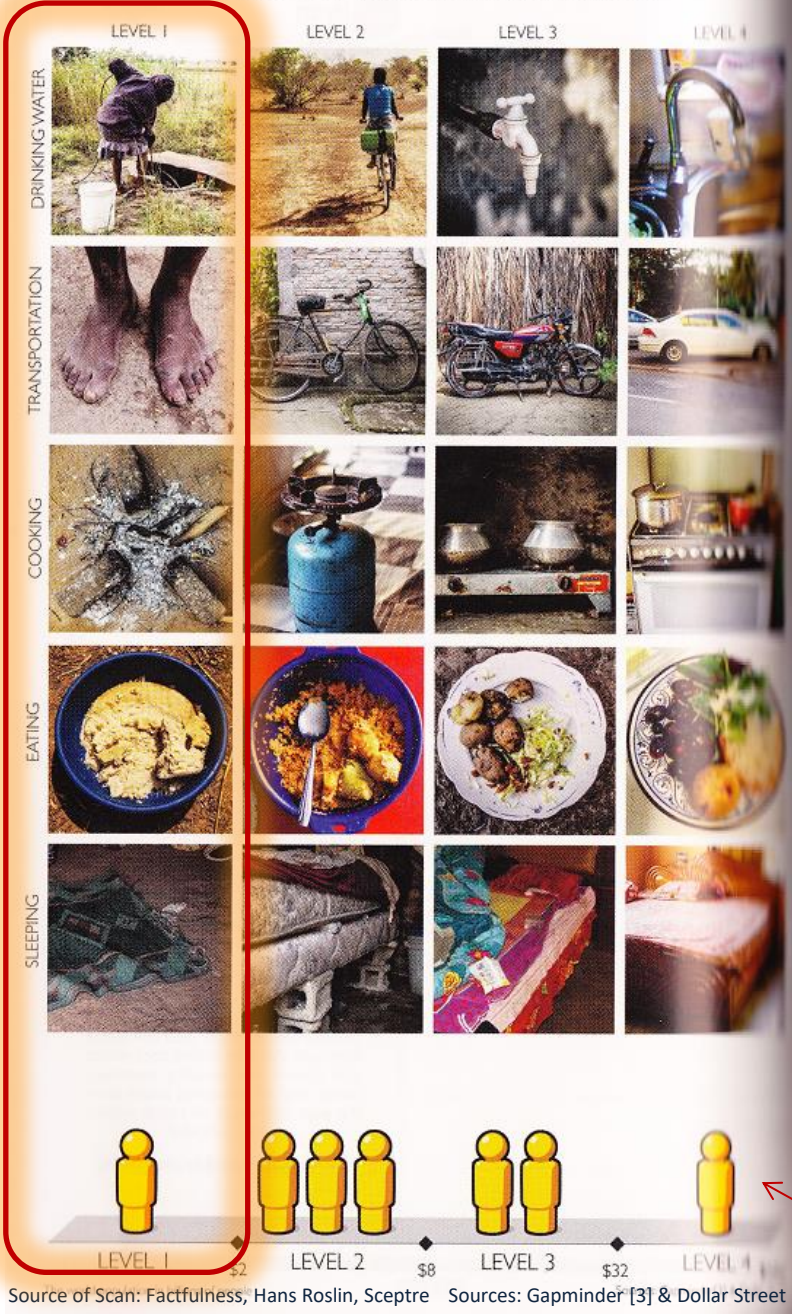
Starte mit 10% der Zielgruppe und einem Vielfachen von \$14 Milliarden und schaue und lerne was passiert.

Wende die Erkenntnisse auf die nächsten 10% an.

Das ist alles. Es wird auch für die Zeit der KI einen wesentlichen Unterschied machen, dass wir die ‚kleinen‘ Ziele nicht vergessen.



LIFE ON THE FOUR INCOME LEVELS



Source of Scan: Factfulness, Hans Roslin, Sceptre Sources: Gapminder [3] & Dollar Street

Requirements for Next Level

1 Billion people (fellow humans) still live on Level 1 in extreme poverty.

What do these - lets say **200 Million Families** - need to get out of it?

200 Million Bicycles for basic mobility
200 Million Bricked Chimneys for fuel efficiency and good air in their homes

20 Million Electrified Townhalls with Light at Night for gathering and study after dusk and waterpumps at day for more mother-child time (education)

These townhalls each are for 10 Families combined (this is 50 human beings)

1 Pimple = 1 Billion People

LIFE ON THE FOUR INCOME LEVELS



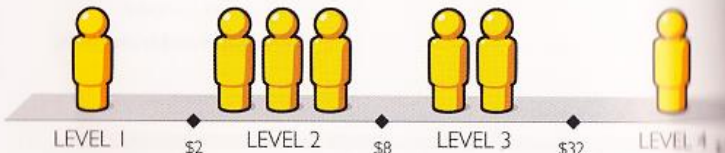
Why is this so significant for us *on level 4*?

These 1 Billion People are the only remaining source for **overpopulation**.

Overpopulation is one of the 4 existential threats* and has to be solved quickly.

The only way to solve it is – quickly. Because poverty reproduces itself.

See **Hans Rosling Talks** for detailed and best performed information like *„Bangladesh reduces number of children per family from 5 to 2 due to better economy and education“*



*1GNR: GeneticNanoRobotics including AI and AGI; 2Environment: Fresh Water, Fertile Soil, Clean Air, New Energy; 3WarsNukesMediaArmsRace; 4Overpopulation

LEVEL 1

LEVEL 2

DRINKING WATER



What would be the change for Level 1?

200 Million Bicycles for basic mobility

fetching water – crop to market – evening school – doctor at need – kids playing

200 Million Bricked Chimneys for fuel efficiency

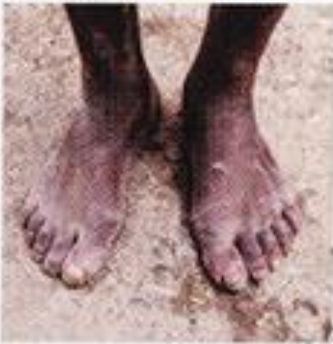
Mothers: women need to walk less distance to fetch fuel – d a i l y !

Children/infants: breath clean air at home.

More quality time together: Mother-Child.
Better education possible.

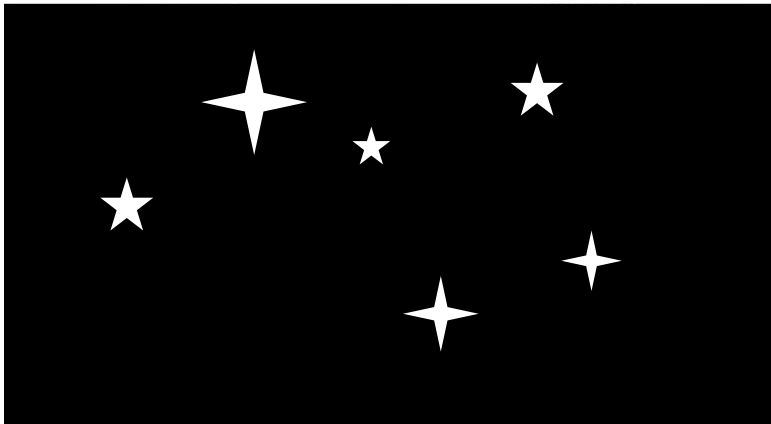
Also less CO2 – but that's not the trouble on Level 1

TRANSPORTATION



COOKING





Finance

200 Million Bicycles \$100 \$20 Billion
200 Million Brick.Ch.\$100 \$20 Billion
20 Million Electrified Townhalls \$5.000
(SOLAR-BATTERIE-COMB) \$100 Billion

Estimation of Cost (minimum) \$140 Billion

Hardware only – installation by Level1 as much as possible by own force and knowledge: simple-tech, open-repair, longlived, safe 50-60V

Budget: \$1 per capita per day = \$365 Billion a year -> \$3.650 Billion a decade

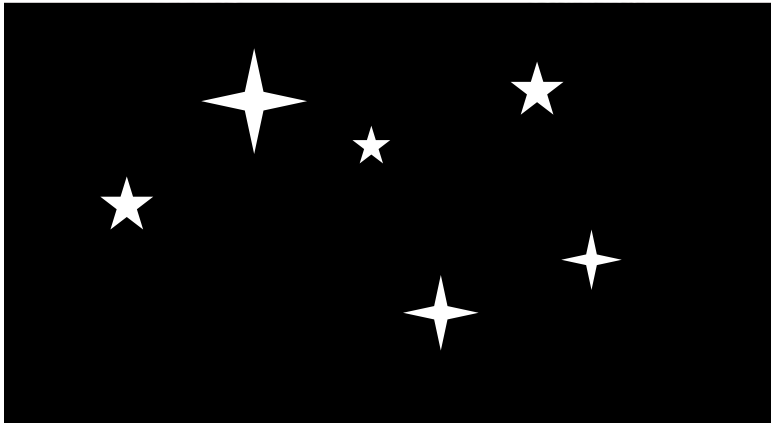
But not a single 1\$ is to spare – they need a credit in advance and pay it back

Assume economic growth:

bicycles, more Mother-Child-Time, study after nightfall -> \$5.000 Billion a decade

Leaves \$1.000 Billion for further trade and investments *New Markets*

Internet – DC-Grid – Fridge+Kitchen – Tools – Lights - Entertainment



What would be the change for Level 1?

20 Million Electrified Townhalls for Light at Night

Education and study after dusk
Gathering and community

Water pumps at day: Mother-Child time!
Base center for School and Medical Care

Internet and Connection to the World

Basement and housing for level 2,3,4 visitors
e.g. Masters of Science, Medicine, Craft

You would not go anywhere where you don't have electricity, internet, running water, a simple bicycle – would you? I would *not*.





What would be the reverse impact on Levels 2-4?

20 Million Electrified Townhalls for Light at Night consecutively will lead to a positive and logic chain of improvements:

Education and Study after Dusk

More efficient and ecological Farming

More Money * Less but better educated children (as Hans Rosling proved)

Economic Growth * *New Markets*

Less forced migration * More bidirectional migration thus and by creating (circular!)

MORE SPACE YOU REALLY LOVE TO LIVE IN

Incentive

- Whoever goes for that project: - *China, Europe, USA, Russia, Private* - will benefit massively both in near future as well as on way larger scales
- Bicycles might be added a permanent chip for control of fair distribution but also movement profiles for big data (you do this anyway)
- There is no thinking of Achieving a Benign Scenario with the Advent of Artificial General Super Intelligence if World Situation is like a Hell of a Mess. Think about it. We have to provide Sound Data like matching Action and Words.

Die Vitalzelle versorgt sich selbst mit Energie von der Sonne.

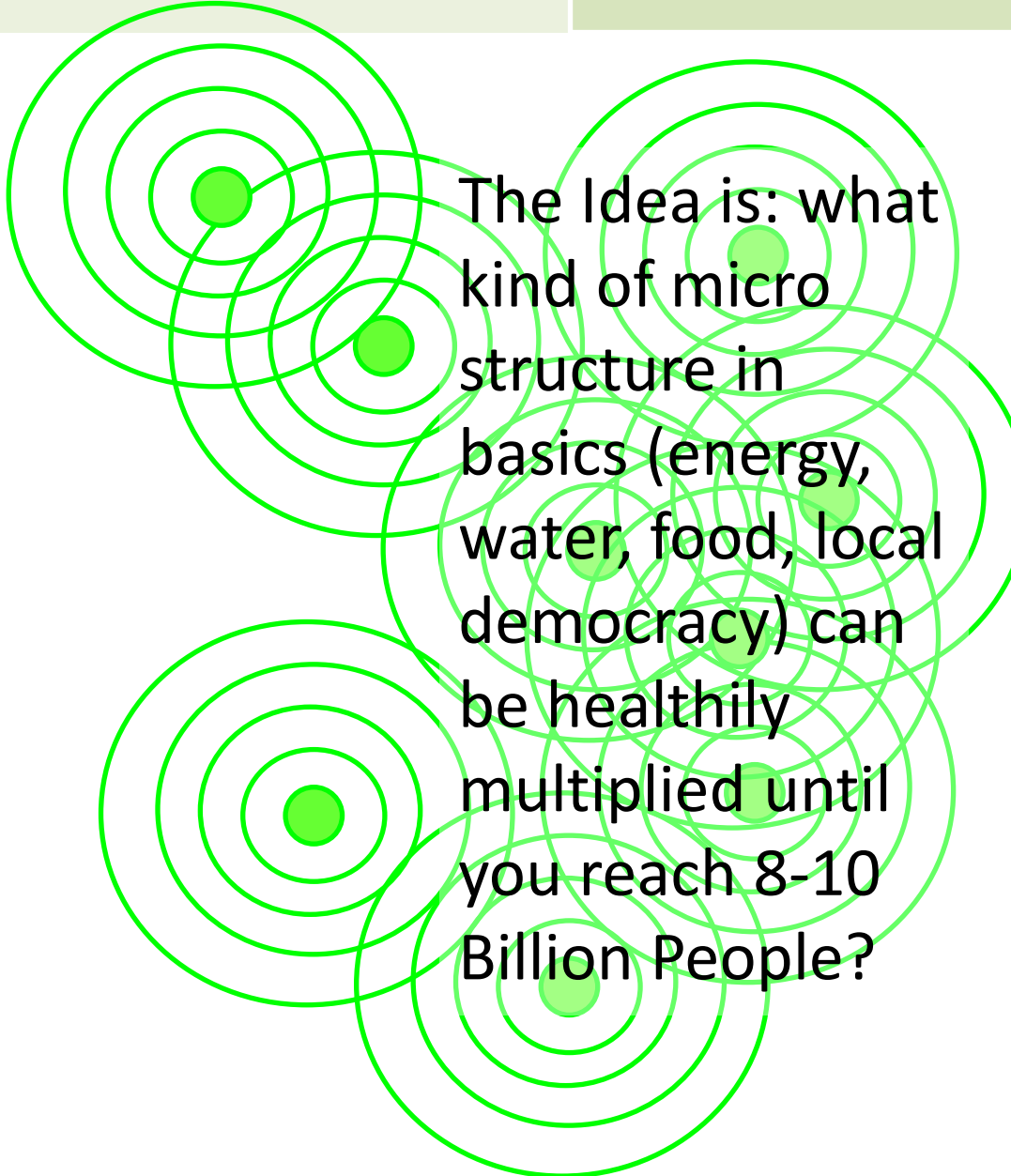
Die Vitalzelle speichert die Energie in Batterie und Warmwasser uam.

Die Vitalzelle teilt Ihren Überschuss ins Netz.

Die Vitalzelle reagiert auf den Netzzustand Unterversorgung durch Micro-Lastabwürfe

Die Vitalzelle reagiert auf den Netzzustand Überversorgung durch Zuschalten von Speichern

* * *



The Idea is: what kind of micro structure in basics (energy, water, food, local democracy) can be healthily multiplied until you reach 8-10 Billion People?

Prinzip der überfließenden Quellen

Simply Grid

Vitalnetze

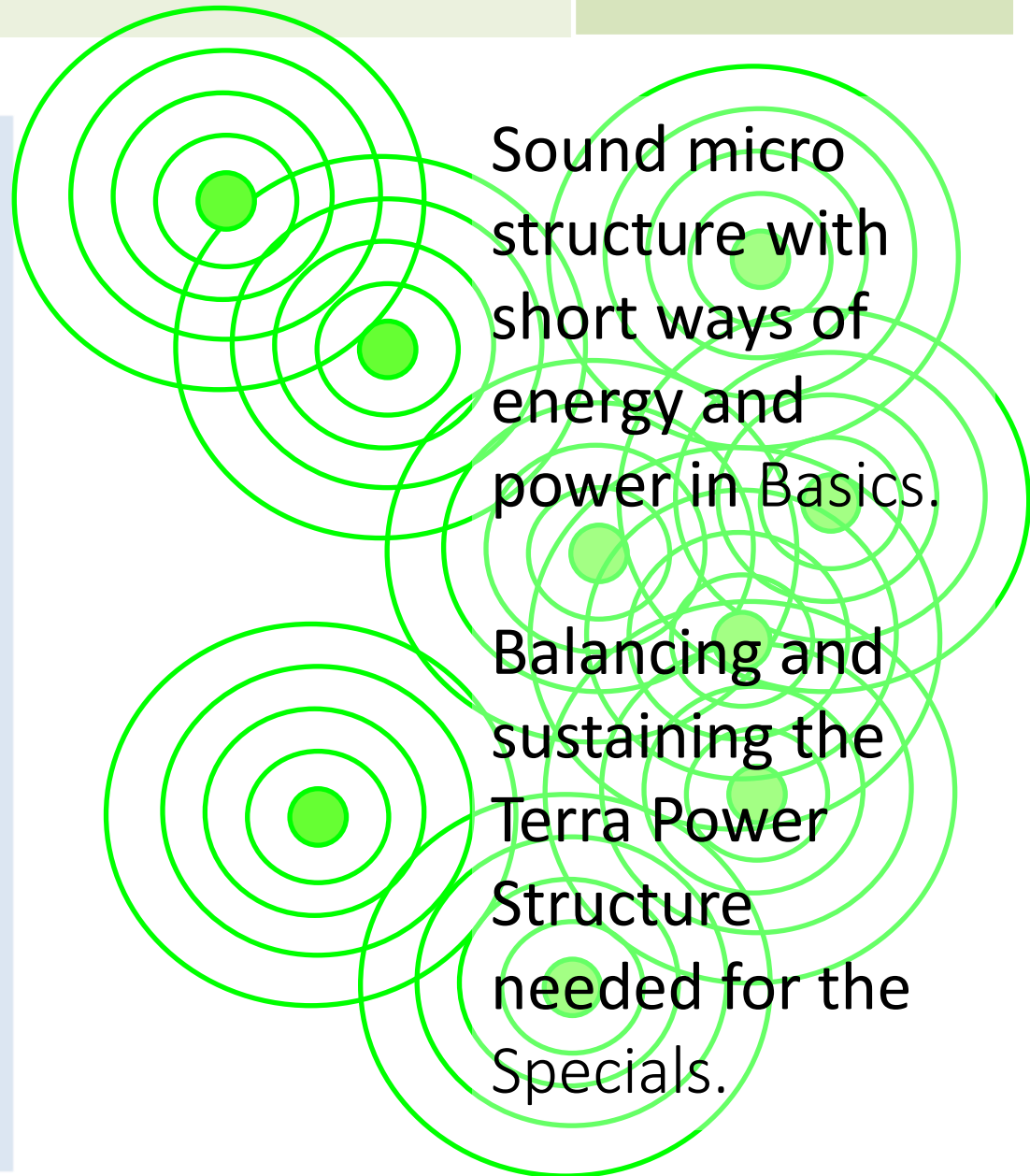
Je mehr aktive Vital-Zellen in der Netzstruktur, desto einfacher und weniger die Regelooperationen des Netzbetreibers.

Nach und nach kann eine sich komplett selbst erhaltende Netzstruktur entstehen.

Diese wirkt in ihrer Gesamtheit wiederum wie ein großer Vitalorganismus und kann Nachbarnetze aktiv unterstützen.

Dieses Prinzip ist anwendbar auf alle weiter oben genannten **Basics** und stellt m.E. sogar für die übergeordneten Terra-Power-Structures die bestmögliche Überlebensstrategie dar.

* * *





Basics



ACHIEVING A BENIGN SCENARIO



Specials

Credits and Sources

Hans Rosling

<https://www.youtube.com/watch?v=jbkSRLYSojo>

<https://www.youtube.com/watch?v=hVimVzgtD6w>

Gapminder Dollar Street – Data Base

<https://www.gapminder.org/dollar-street>

United Nations

<https://www.un.org/sustainabledevelopment/sustainable-development-goals/>

Money

<https://duckduckgo.com/?t=ffnt&q=6+trillion+dollars+in+the+middle+east&atb=v215-1&ia=web>

Artificial General Intelligence

https://www.youtube.com/channel/UC4z1W8oHYn_9EaUdE-hBlag

<https://www.youtube.com/watch?v=MUWWZ91-G6w>

Bicycles 1 Rupee= 0.01 Dollar

<https://www.compareraja.in/fitness/bicycle-price-list-in-india.html>

https://www.youtube.com/watch?v=SX_3tkq9REM

