In 1998, Kodak had 170,000 employees and sold 85% of all photo pap=r worldwide. Within just a few years, their business model =isappeared and they went bankrupt.

What happened to =odak will happen in a lot of industries in the next 10 year - and=most people don't see it coming. Did you think in 1998 that 3

Yet digital cameras were invented in 1975. The first ones only had 10,000=C2� pixels, but followed Moore's law. So as with all exponential =echnologies, it was a disappointment for a long time, before it b=came way superior and got mainstream in only a few short years. I= will now happen with Artificial Intelligence, health, autonomous=and electric cars, education, 3D printing, agriculture and jobs. =elcome to the 4th Industrial Revolution. Welcome to the Exponenti=l Age.

Software will disrupt most traditional industries in t=e next 5-10 years.

Uber is just a software tool, they don'=t own any cars, and are now the biggest taxi company in the world= Airbnb is now the biggest hotel company in the world, although t=ey don't own any properties.

Artificial Intelligence: Com=uters become exponentially better in understanding the world. Thi= year, a computer beat the best Go player in the world, 10 years =arlier than expected. In the US, young lawyers already don't =et jobs. Because of IBM Watson, you can get legal advice (so far =or more or less basic stuff) within seconds, with 90% accuracy co=pared with 70% accuracy when done by humans. So if you study law, stop�=A0 immediately. There will be 90% less lawyers in the future, only�=A0 specialists will remain. Watson already helps nurses diagnosing canc=r, 4 time more accurate than human nurses. Facebook now has a pat=ern recognition software that can recognize faces better than hum=ns. In 2030, computers will become more intelligent than humans.=C2�

Autonomous cars: In 2018 the first self-driving cars will app=ar for the public. Around 2020, the complete industry will start =o be disrupted. You don't want to own a car anymore. You will=call a car with your phone, it will show up at your location and =rive you to your destination. You will not need to park it, you o=ly pay for the driven distance and can be productive while drivin=. Our kids will never get a driver's licence and will never o=n a car. It will change the cities, because we will need 90-95% l=ss cars for that. We can transform former parking space into park=. 1.2 million people die each year in car accidents worldwide. We now�=A0

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have one accident every 100,000 km, with autonomous driving that wil= drop to one accident in 10 million km. That will save a million =ives each year.

Most car companies might become bankrupt. Tra=itional car companies try the evolutionary approach and just buil= a better car, while tech companies (Tesla, Apple, Google) will d= the revolutionary approach and build a computer on wheels. I spo=e to a lot of engineers from Volkswagen and Audi; they are comple=ely terrified of Tesla.

Insurance companies will have massive=trouble because without accidents, the insurance will become 100x=cheaper. Their car insurance business model will disappear. =br>
Real estate will change. Because if you can work while you commute,=people will move further away to live in a more beautiful neighbo=hood.

Electric cars will become mainstream by 2020. Cities wi=l be less noisy because all cars will be electric. Electricity wi=l become incredibly cheap and clean: Solar production has been on=an exponential curve for 30 years, but you can only now see the i=pact. Last year, more solar energy was installed worldwide than f=ssil. The price for solar will drop so much that all coal compani=s will be out of business by 2025.

With cheap electricity com=s cheap and abundant water. Desalination now only needs 2kWh per =ubic meter. We don't have scarce water in most places, we onl= have scarce drinking water. Imagine what will be possible if any=ne can have as much clean water as he wants, for nearly no cost.
=br>Health: The Tricorder X price will be announced this year. There will b= companies who will build a medical device (called the "Tric=rder" from Star Trek) that works with your phone, which take= your retina scan, your blood sample and you breath into it. It t=en analyses 54 biomarkers that will identify nearly any disease. =t will be cheap, so in a few years everyone on this planet will h=ve access to world class medicine, nearly for free.

=D printing: The price of the cheapest 3D printer came down from $18,000�=A0 to $400 within=10 years. In the same time, it became 100 times faster. All=C2� major shoe companies started 3D printing shoes. Spare airplane pa=ts are already 3D printed in remote airports. The space station n=w has a printer that eliminates the need for the large amount of =pare parts they used to have in the past.

At the end=of this year, new smart phones will have 3D scanning possibilitie=. You can then 3D scan your feet and print your perfect shoe at h=me. In China, they already 3D printed a complete 6-story office b=ilding. By 2027, 10% of everything that's being produced will be 3D�=A0 printed.

Business opportunities: If you think of a nich= you want to go in, ask yourself: "in the future, do you thi=k we will have that?" and if the answer is yes, how can you =ake that happen sooner? If it doesn't work with your phone, f=rget the idea. And any idea designed for success in the 20th cent=ry is doomed in to failure in the 21st century.

Work: 70-80% =f jobs will disappear in the next 20 years. There will be a
lot o= new jobs, but it is not clear if there will be enough new jobs in such a small time.

Agriculture: There will be a $100 agricul=ural robot in the future.
Farmers in 3rd world countries can then=become managers of their field
instead of working all days on the=r fields. Aeroponics will need much
less water. The first Petri d=sh produced veal is now available and will
be cheaper than cow pr=duced veal in 2018. Right now, 30% of all
agricultural surfaces i= used for cows. Imagine if we don't need that
space anymore. =here are several startups who will bring insect protein to
the ma=ket shortly. It contains more protein than meat. It will be labeled <=r>as "alternative protein source"
(because most people still rej=ct the idea
of eating insects).

There is an app call=d "moodies" which can already tell in which mood you
ar=. By 2020 there will be apps that can tell by your facial expressions�=A0
if you are lying. Imagine a political debate where it's results =re being
displayed when the candidates are talking.

=itcoin will become mainstream this year and might even become the default=C2�
reserve currency.

Longevity: Right now, the average =ife span increases by 3 months per
year. Four years ago, the life=span used to be 79 years, now it's 80
years. The increase its=lf is increasing and by 2036, there will be more
that one year in=rease per year. So we all might live for a long long
time, probab=y way more than 100.

Education: The cheapest smart phones are=already at $10 in Africa and
Asia. By 2020, 70% of all humans wil= own a smart phone. That means,
everyone has the same access to w=rld class education. Every child can use
Khan academy for everyth=ng a child learns at school in First World
countries. We have alr=ady released our software in Indonesia and will
release it in Ara=ic, Swahili and Chinese this summer, because I see an
enormous po=ential. We will give the English app for free, so that
children i= Africa can become fluent in English within half a year.

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