

Markets - Technology - Manufacturing



HARDWARE

Microscope Sensors
for Bio Med & Industry

SOFTWARE

Application Programming
for Machine Builders & Integrator

We Automate Microscopy „Reduced to Your Needs“



linea



compact



profile



solino

Opto produces "smart microscopes"

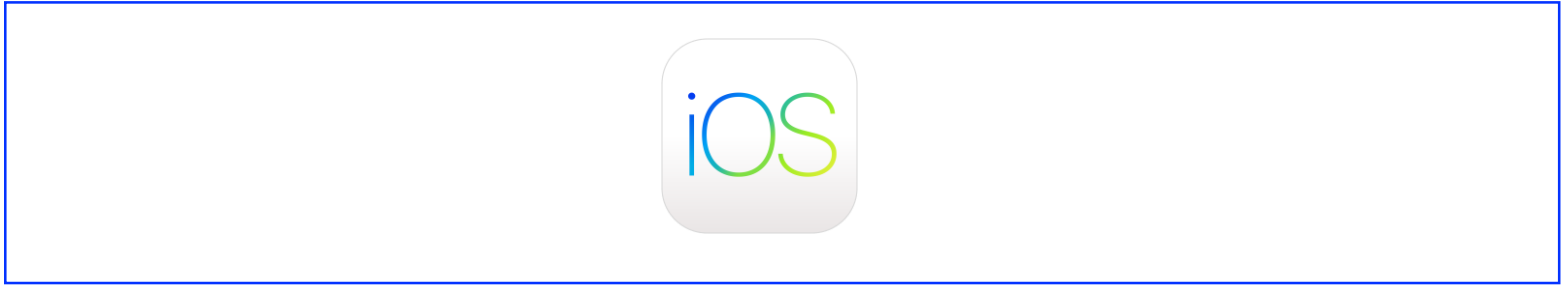
We believe in

microscopes as sensors & AI

Phone



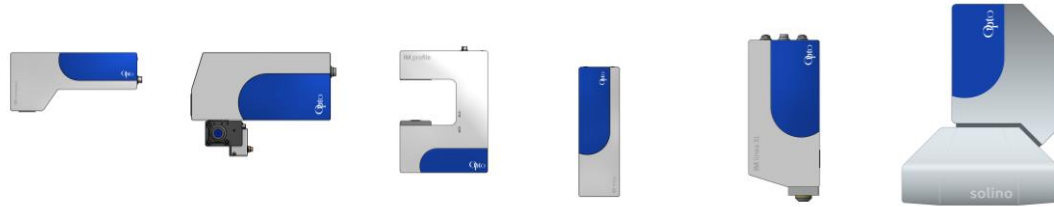
Architecture



Applications



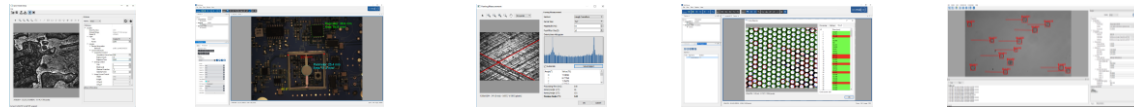
Imaging Modules



Architecture

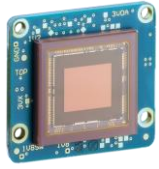


Plugins



Imaging Modules

are the Opto own standard
Digital Microscopes and Vision Sensors



Camera Sensor Boards (Sony IMX)



Opto Own Embedded Controller Boards



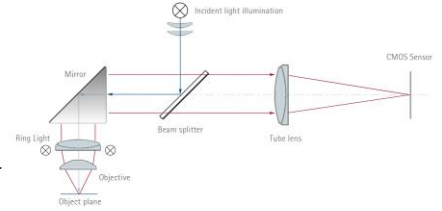
Limited Mechanical form factors



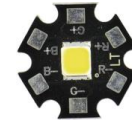
Standard *Connectors*
One Cable Concept



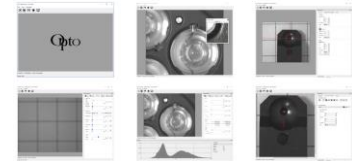
Hundreds of Plug and Play *Imaging Modules*



High End-*Optical* designs
Made by Opto



Opto Own LED
Illumination designs

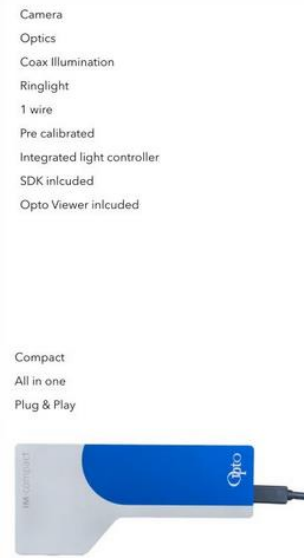


Own Software Architecture
OptoViewer

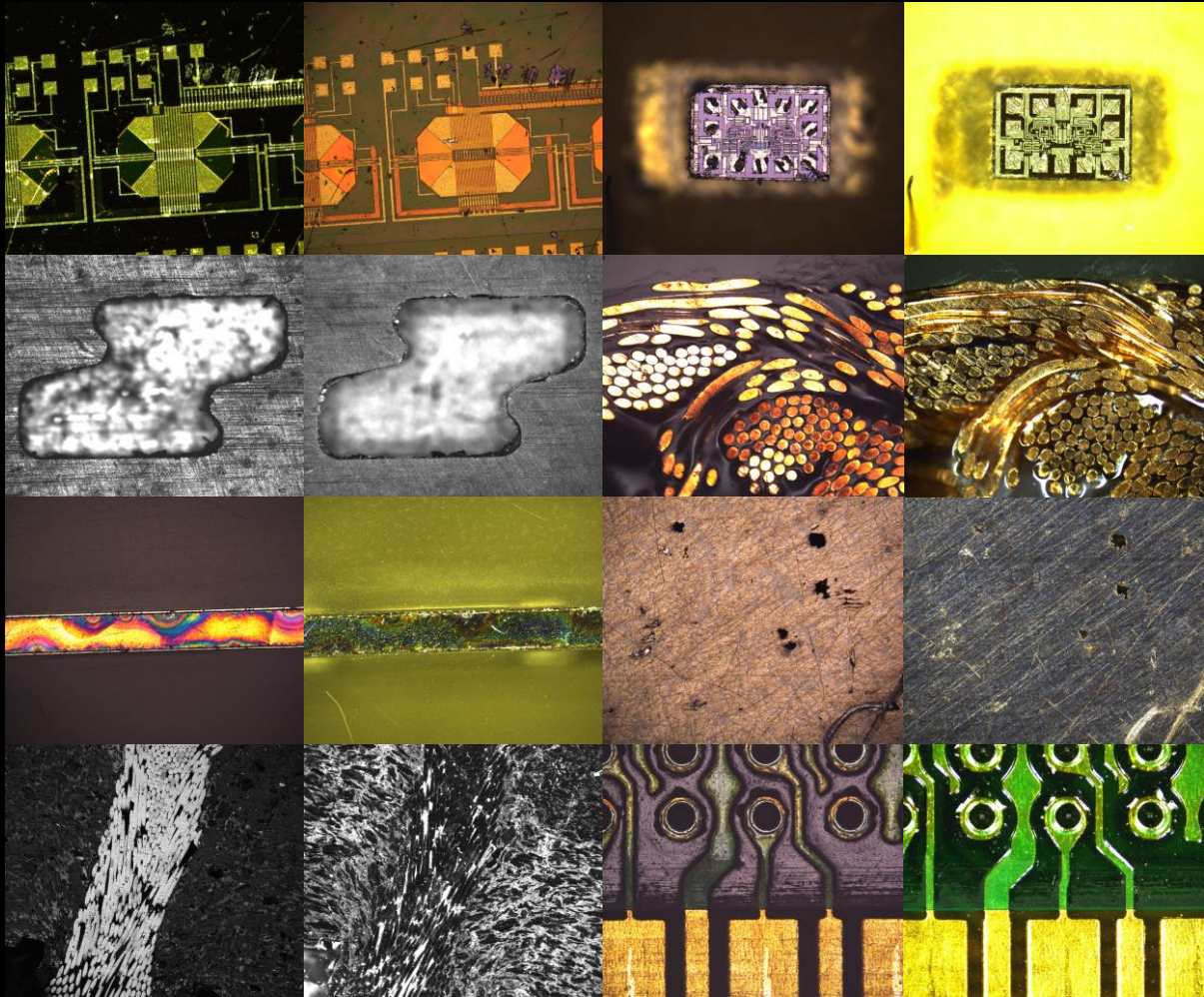
Machine Vision Microscope MVM



Traditional



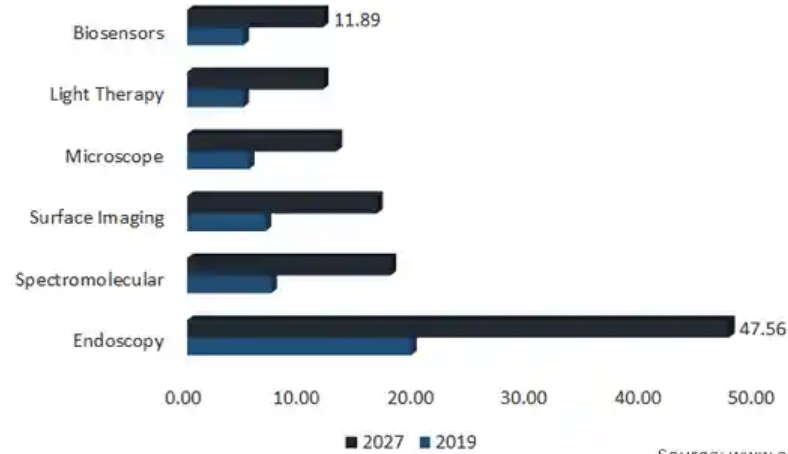
Opto MVM



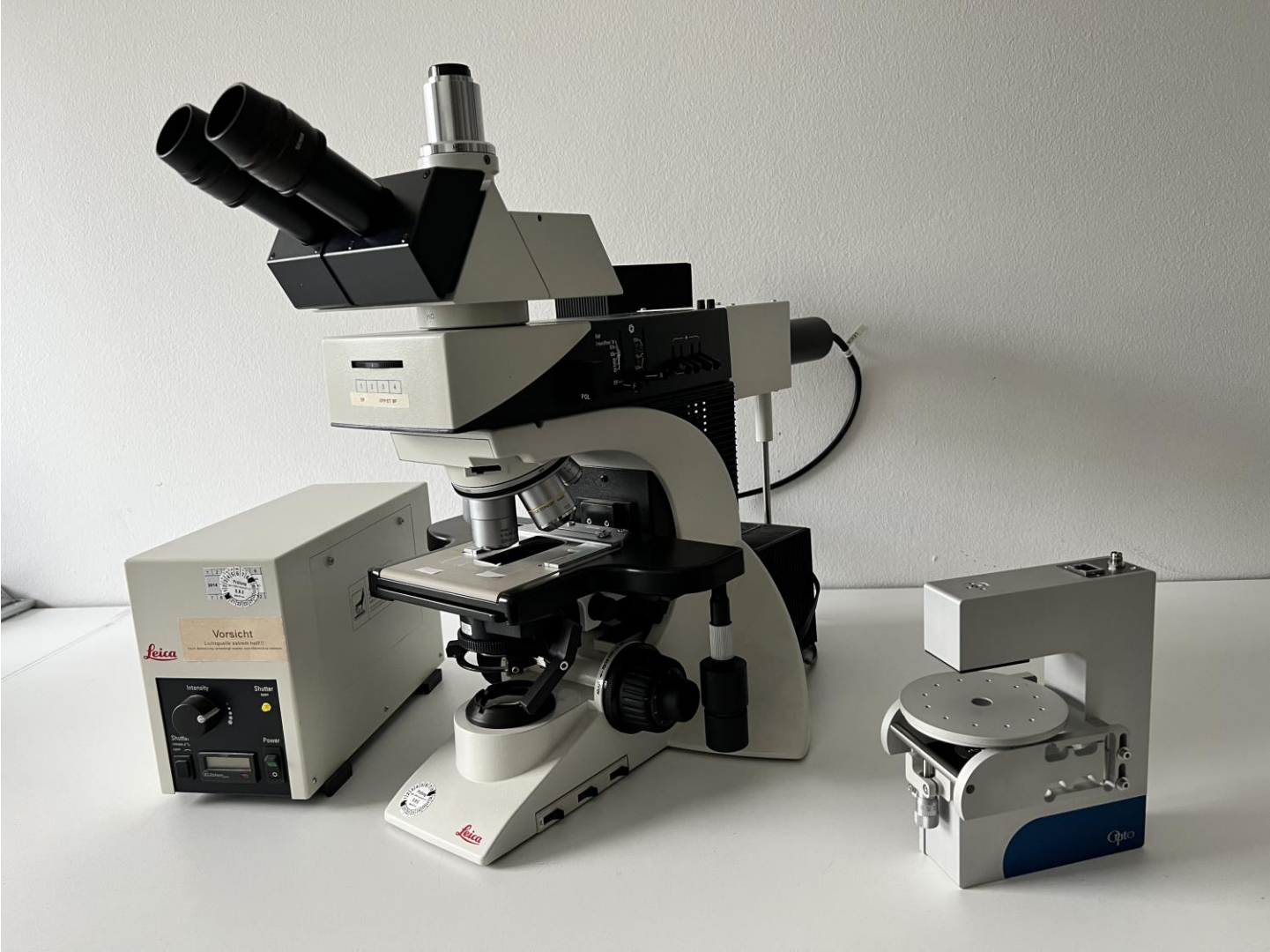
Markets - Technology - Manufacturing

Biophotonics

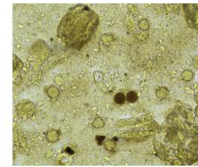
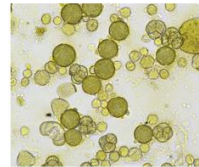
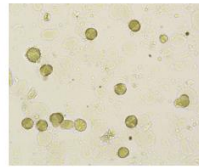
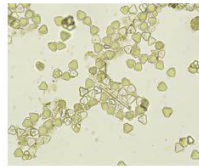
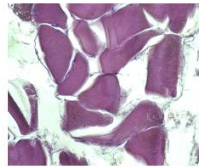
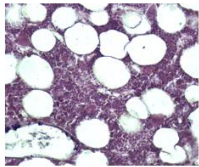
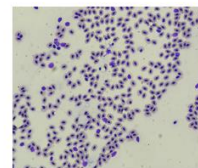
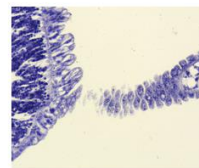
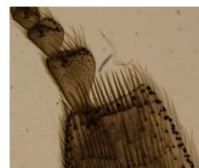
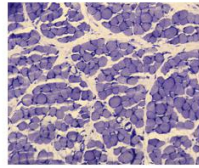
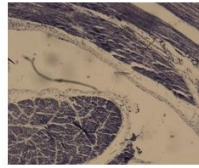
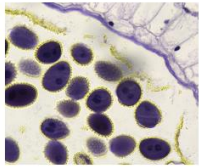
BIOPHOTONICS MARKET: APPLICATION DYNAMICS (USD BILLION)



Source: www.emergenresearch.com



Images taken with Opto profile M (20x) Imaging Module



Global Supply Chain

BIOPHOTONICS MARKET: REGIONAL SHARE





中国医药对外贸易有限公司

CHINA NATIONAL PHARMACEUTICAL FOREIGN TRADE CORPORATION

Opto

高精度成像专家



BASLER

the power of light

医疗和生命科学中国大中华区总代理



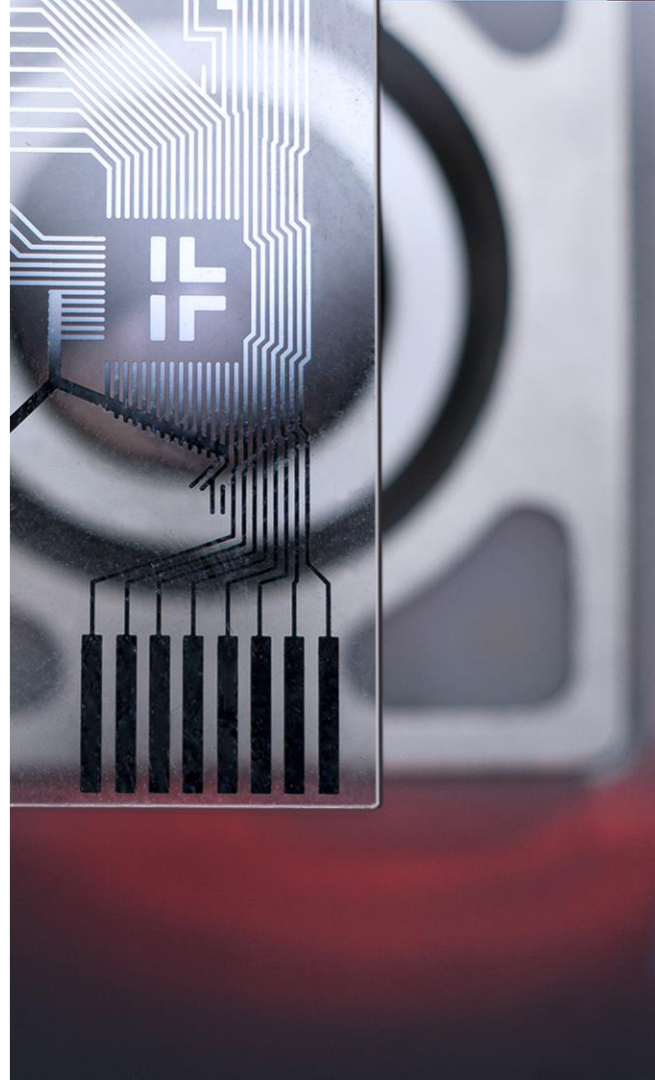
Opto

BASLER

BASLER

the power of light

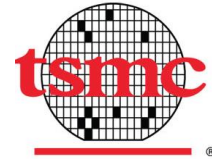
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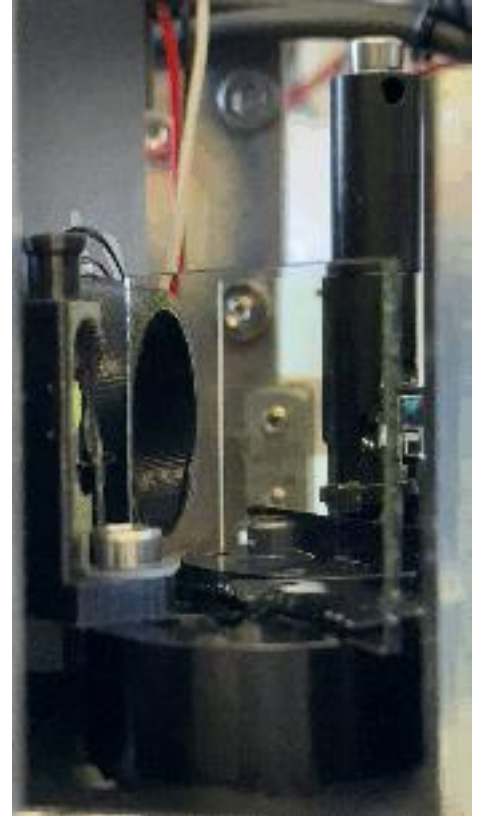
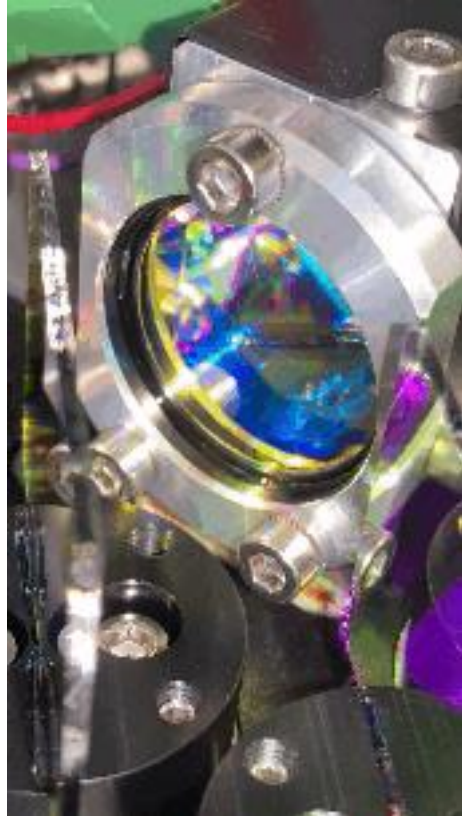
Silicon Photonics
Embedded Sensors
Quantum Computing



illumina®



Multi Fluorescence Imaging

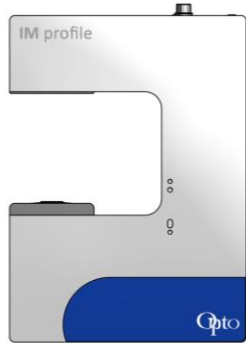


Embedded Imaging microscope sensors

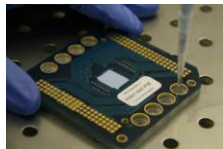
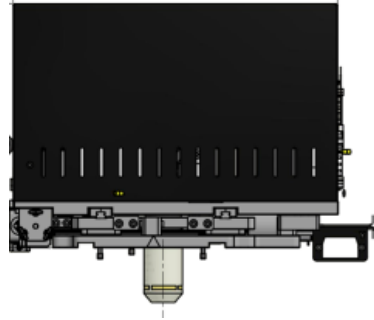


OEM Bioscreen Platform

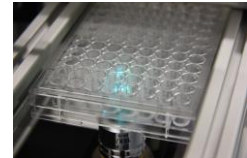
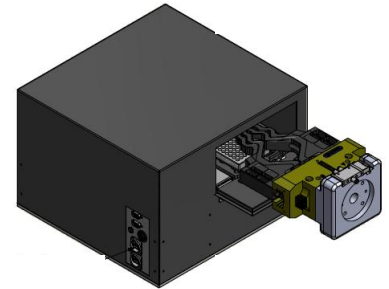
Flow Modules



Chip Modules



Well Modules



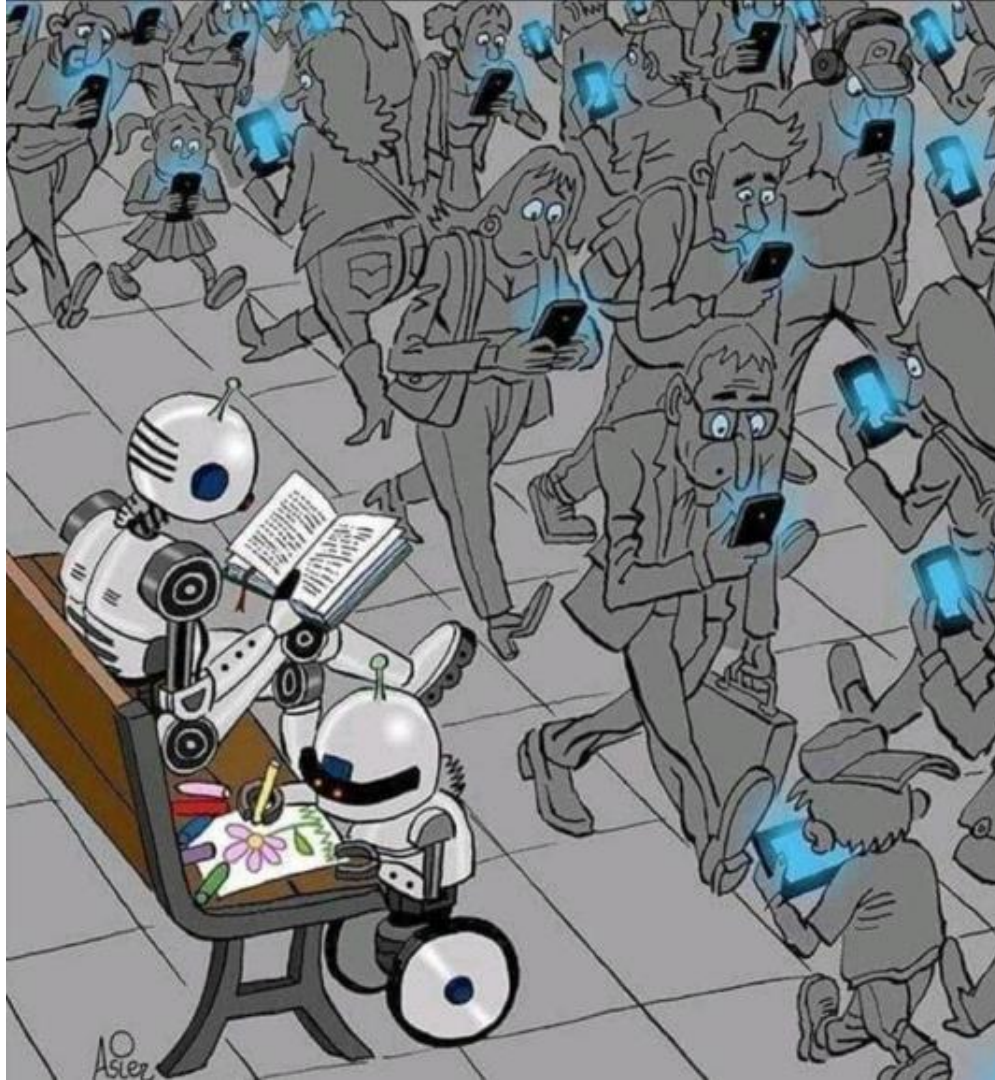
AI

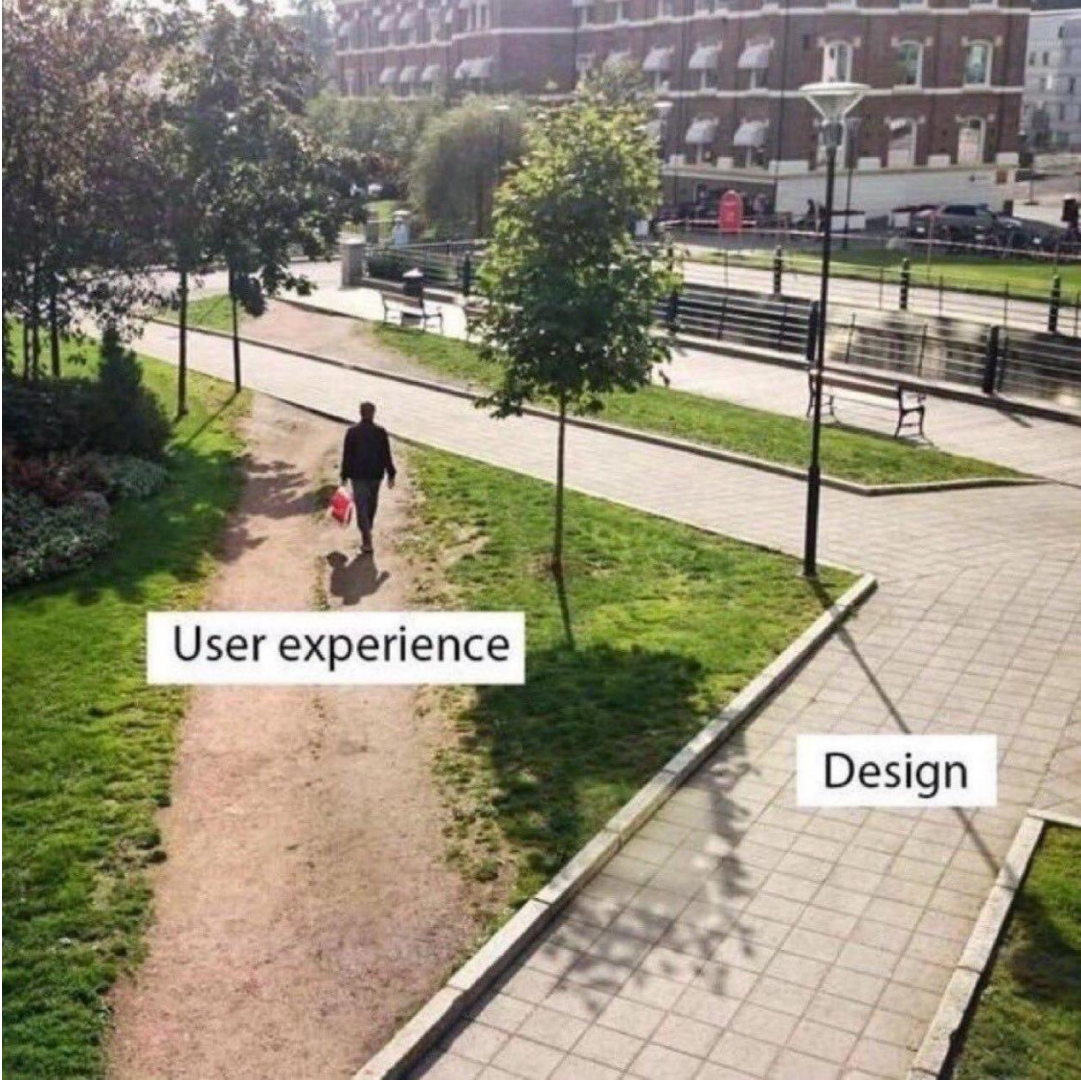


Imaging Modules in use

Video 2

Machine
Learning

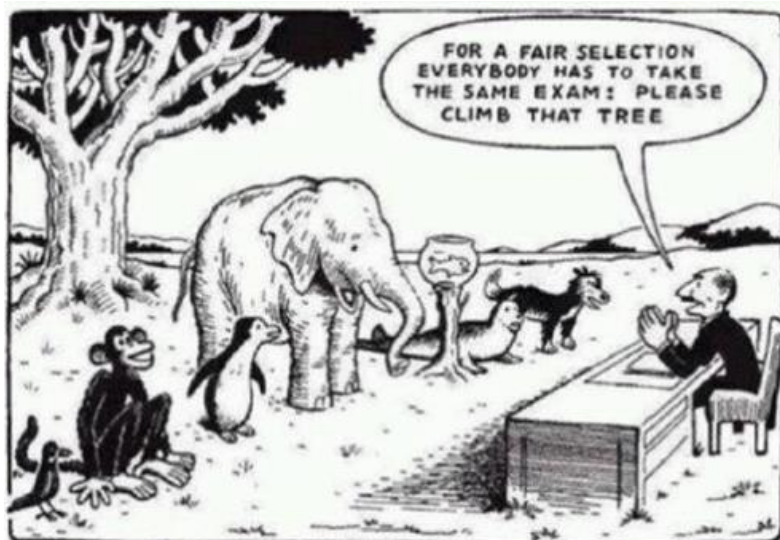




User experience

Design

Markets - Technology - Manufacturing



Our Education System

"Everybody is a genius. But if you judge a fish by its ability to climb a tree, it will live its whole life believing that it is stupid."

- Albert Einstein



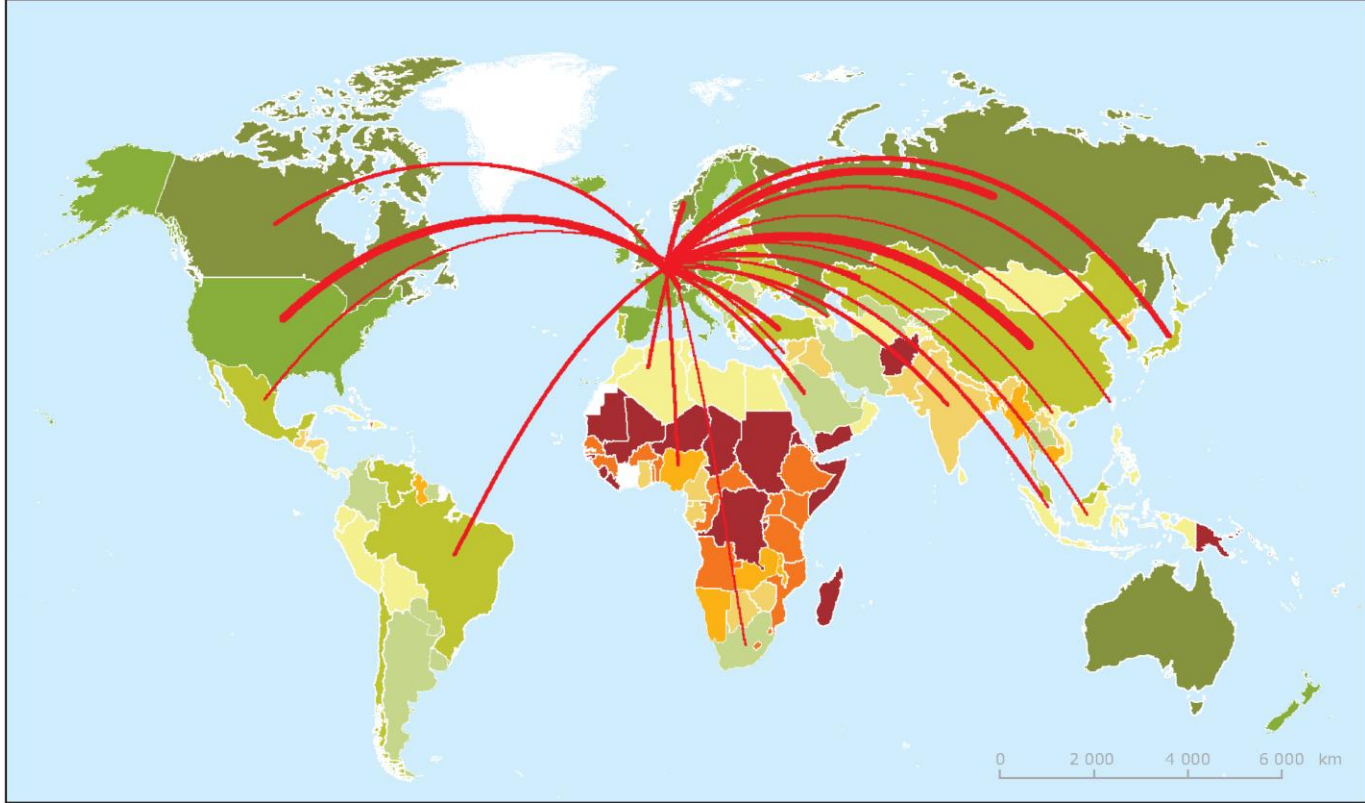
ALWAYS REMEMBER THIS!

- Grapes must be crushed to make **WINE**.
- **DIAMONDS** form under pressure.
- Olives are pressed to release **OIL**.
- Seeds **GROW** in darkness.

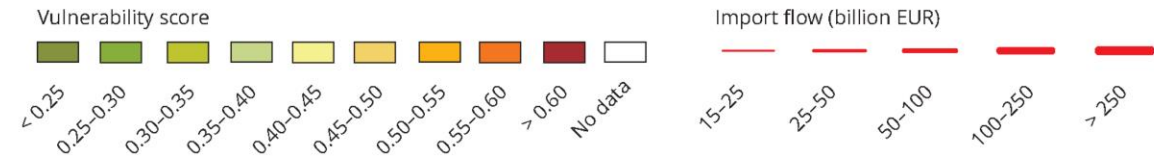
Whenever you feel **crushed**, under **pressure**, **pressed**, or in **darkness**, you're in a powerful place of transformation.

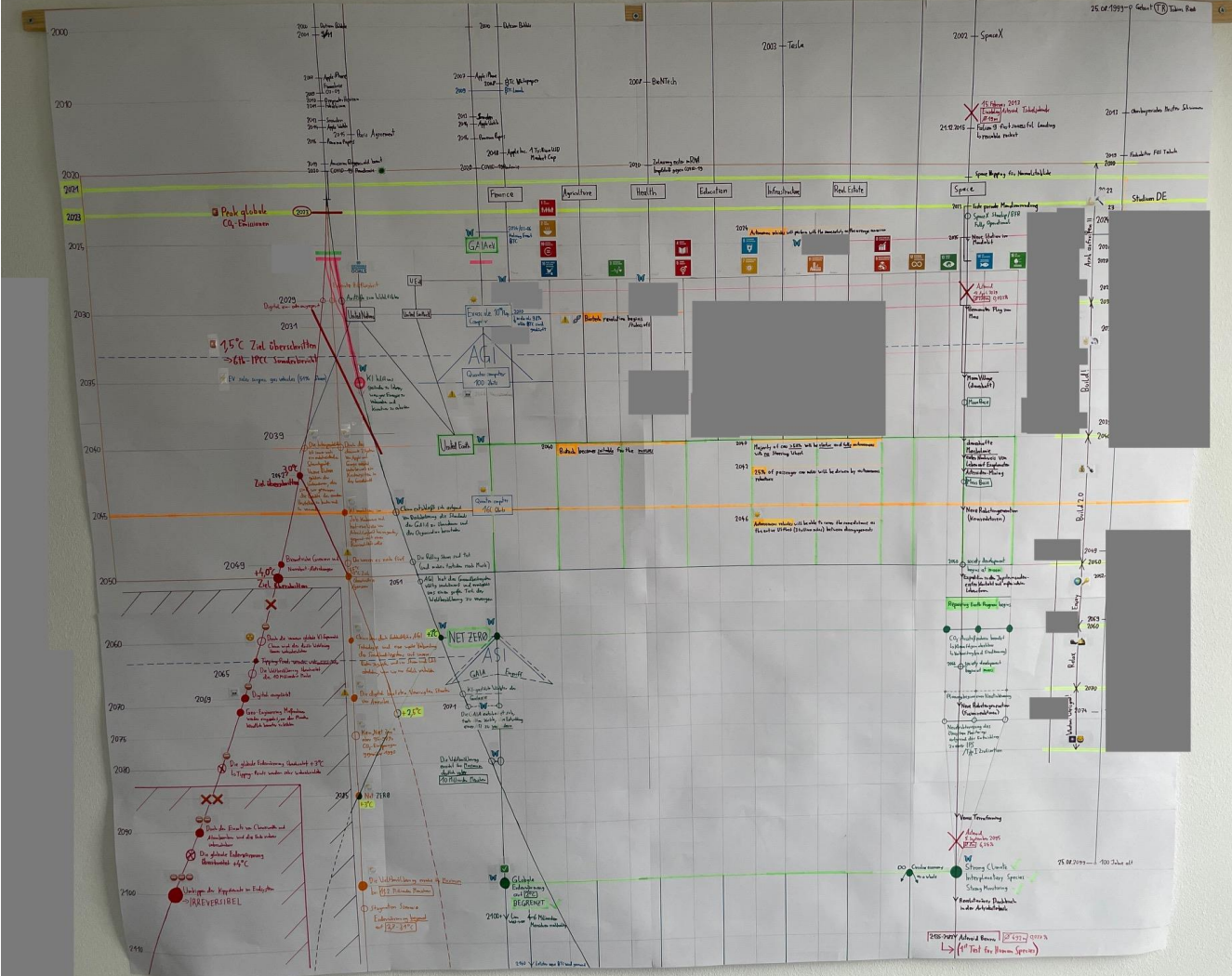
TRUST THE PROCESS.

climate change / war



Vulnerability to global climate change and EU imports from outside EU, 2014







DO NOT LISTEN
WITH THE INTENT
TO REPLY, BUT
WITH THE INTENT
TO UNDERSTAND.





SUPERMARCHÉ



SUPERMARKT



Thomas

谢谢
ありがとう
감사합니다
Vielen Dank
Merci
Thank you
Gracias
תודה רבה

