Immer eine zündende Idee.

Industrie 4.0

"Wir wissen, dass wir in Europa in einigen Bereichen zurückgefallen sind - von der Fähigkeit, Chips herzustellen, bis zur Fähigkeit, große Internet-Suchmaschinen durchzusetzen - und deshalb aufholen müssen. Es ist auch der richtige Zeitpunkt, an dem Europa aufholen kann. Denn jetzt verschmilzt die reale Industriewelt mit der digitalen Welt."

-- Angela Merkel 2014

"Industrie 4.0 ist die Schicksalsfrage der deutschen Industrie, die sie aber global beantworten muss"

-- Joe Kaeser (Siemens Chef 2013)



A

Fortgelaufener Amerikanischer Urwald Legastheniker Hippie Kind ohne vernünftiger Ausbildung der so dermaßen schlechte Deutsch-Kenntnisse hat das er noch nicht einmal ein Satz richtig schreiben kann ohne dass es so aussieht als hätte Thomas Mann ein Haufen Kommas vergessen.

B

Autodidakt C++ Spezialist Embedded Spezialist Startup 2001 gegründet Autor:

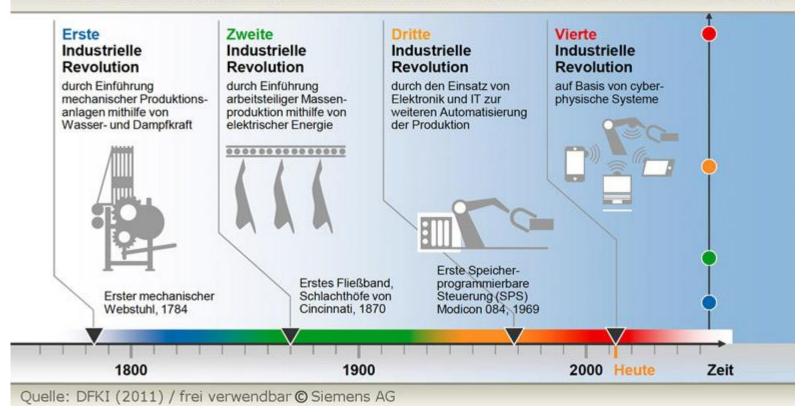
- Kvasir C++ embedded library
- electronic design

Contributor:

- Brigand (schnellste TMP-Sortieralgorithmus)
- ISO C++ working group SG14 Speaker auf diversen conferences (meeting C++, ADC++ ...)



Die Evolution zu Industrie 4.0 in der Produktion





"We realized that the true problem, the true difficulty, and where the greatest potential is - is building the machine that makes the machine. In other words, it's building the factory. I'm really thinking of the factory like a product."

-- Elon Musk



Immer eine zündende Idee.





"Outsourcing is quickly becoming mostly outdated as a business model for GE appliances."

-- Jeffrey Immelt



"Outsourcing is quickly becoming mostly outdated as a business model for GE appliances."

-- Jeffrey Immelt

"Manufacturers need a cultural revolution. They need to think of themselves more like software firms."

-- Mark Muro (Brookings Institution)



We are uncovering better ways of developing software by doing it and helping others do it.

Through this work we have come to value:

- 1. Individuals and interactions over processes and tools
- 2. Working software over comprehensive documentation
- 3. Customer collaboration over contract negotiation
- 4. Responding to change over following a plan

-- Agile Manifesto 2001



"Engineers hate being micromanaged on the technical side, but they love being closely managed on the career side."

-- Eric Clayberg (Googler - HBR December 2013)



"Engineers hate being micromanaged on the technical side, but they love being closely managed on the career side."

-- Eric Clayberg (Googler - HBR December 2013)

"They must find it difficult, those who have taken authority as truth, rather than truth as authority."

-- Gerald Massey



"Man muss etwas Neues machen um Neues zu sehen."

-- Georg Christoph Lichtenberg



"It is not easy to be a pioneer - but oh, it is fascinating! I would not trade one moment, even the worst moment, for all the riches in the world."

-- Elisabeth Blackwell



Funding and participation from the Berlin-based company has secured German involvement in the international standardization of C++, which was once in question as the DIN planned to dissolve its corresponding working group for financial reasons and retire to the role of an observer.

#GermanEngineeringDown



Industrie 3.0

- Umfassende ERP
- spekulative Wartung
- Betriebskostenersparnis
- Umrüstkostenersparnis
- Flexibilität
- Kurze Entwicklungszyklen









Rasberry pi zero 65mm x 30mm 30 mA sleep \$ 5



MKL03XX 2.305mm x 1.7mm 1uA sleep \$ 0.80















