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Automation to tackle

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[ ] Ich bin kein Roboter.

Datenschutzerklärung - Nutzu

interesting, underdeveloped country with people from wealt
reminisce about bygone times, buying tourist curiosities fron
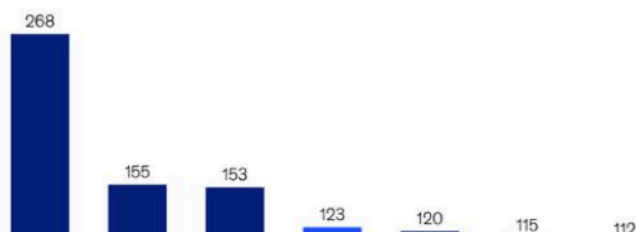*society, as we slip into irrelevance.*

In the coming decades, any developed nation which does not have
industry will decline in geopolitical relevance. As oil and gas were
global hegemony, so now it is prowess in semiconductor technolo
order, through enablement and control of emerging technologies,
Communications, Cryptosecurity, Robotics, Renewable energy, etc
technologies are now driving the focus of the G7 group of leading
seat at the G7 table will depend on the UK's credibility in this cruc

Putting aside the influence of Taiwan and the billions of dollars be
build chips, how can we even compete with Dresden or Crolles in s

The UK has a historic strength in microelectronic device and syste
ARC, ARM, CamSemi, CSR, Dialog, Graphcore, ICL, Icera, Imaginati
We also have a strong research and innovation base in materials s
innovative compound and thin film device fabrication (e.g. Pragma
with previous academic research translated into start-ups and inn

The biggest problem we face is scaling those SMEs into companie
end-users and with a clear understanding of 'product-market' fit.
Chinese administrations have prioritised public / private investme
decades, the UK has been slow to realise the importance of this cr

Value creation by global industry, 2024 market cap, $ billion

268
155
153
123 120 115 112

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4. Pseudo-differential processing ADC in the PSOC™ Control C3 MCU reduces time, complexity and system BOM cost

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July 17, 2025

term, the only solution is to address visa and immigration issues t best and right sort of talent (which needs to stay here). Secondly, graduates leave university or apprentices leave college, they are valuable careers in microelectronics and not lost to other career o STEP program right now. In the medium term, we must get more s STEM degrees and apprenticeships. But here, any intervention nov see a workforce improvement, and this requires broader public ec (since we need to affect GCSE and A Level choices).

- Global turmoil hits UK semiconductor skills
- Four UK projects to boost semiconductor skills

Finally, in the longer term, the fundamental problem we face is th respect for this critical sector is very low. The notion of being inter STEM or electronics, etc. is to be looked down upon and seen as g course is markedly different, and I think government and industry to drive an excitement and keenness across society to be part of a radically overshadow the industrial revolution. We need to reach a celebrate a student's successful GCSE test-chip, in the same way celebrate when a student joins TSMC as a new starter.

What will the National Semiconductor Centre mean for the indust the National Microelectronics Institute? How do we avoid this beco elephant or guarding a gateway?

Well, the National Microelectronics Institute, is of course, the trade semiconductor manufacturing and supply chain since 1996 and h then as a convening point for the UK semiconductor industry. The Centre (NSC) on the other hand is to be set up by government as to serve as a central coordination body between government, indu a single point of contact on technology roadmaps, policy, strategy the UK internationally.

- UK tech boost from industrial strategy with National Semicor

TechWorks and other relevant independent industry groups are o
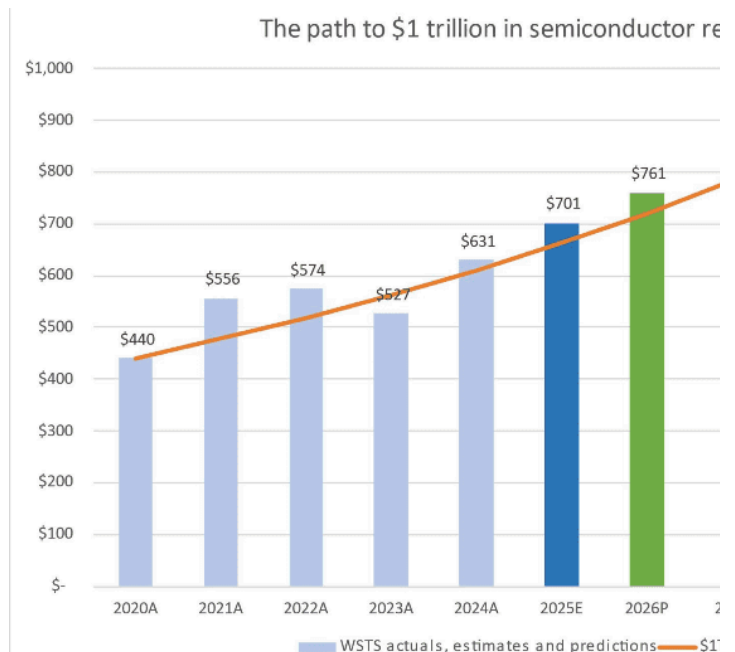
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The path to $1rilliion Source: WSTS June 2025

However, a lot of our unique capabilities are in novel and advance
silicon design. Here, much of the unique design value is inextricak
fabrication process itself. The design is only possible because of tl
is created specifically in order to make the design possible. Espec
enables a new class of device, or perhaps even a new market, ther
down and create the local supply chain. It is this very scenario, wh
mover opportunity to nurture a world-class supply chain as it gro
significant new market. Or we allow others to license the IP, (majo
those businesses and ultimately cede that market to others. Good
photonics, mems, wide-bandgaps, thin films, 2d materials and ad

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