



NL

Holland
High Tech

Global Challenges,
Smart Solutions

Let's talk about
**NEXT STEPS
IN SEMICON**

NETWORKING EVENT 2026



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High Tech**
Global Challenges,
Smart Solutions

ARCO KRIJGSMAN

HEAD OF PUBLIC-PRIVATE PARTNERSHIPS | ASML
PROGRAMME COUNCIL MEMBER | HOLLAND HIGH TECH

PROGRAMME

- **Semicon anno 2026 onwards**
Arco Krijgsman, Head of Public-Private Partnerships, ASML & Programme Council member, Holland High Tech
- **Reflection on the national semiconductor strategy**
Chairman, Holland High Tech and Chairman Key Enabling Technologies
- **Semicon Vision 2035: from roadmap to execution**
Núria Barceló i Peiró, Public Cooperation Programs – Program Manager, NXP Semiconductors
- **Semicon 2035**
Richard Visee, CEO, SystemIC
- **Q&A & round-up**





Ministerie van Economische Zaken
en Klimaat

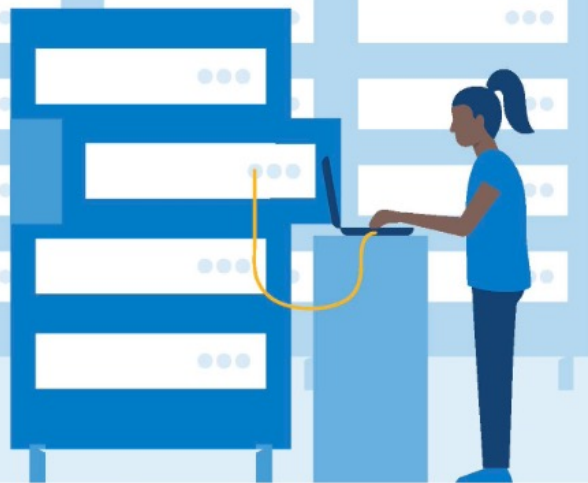
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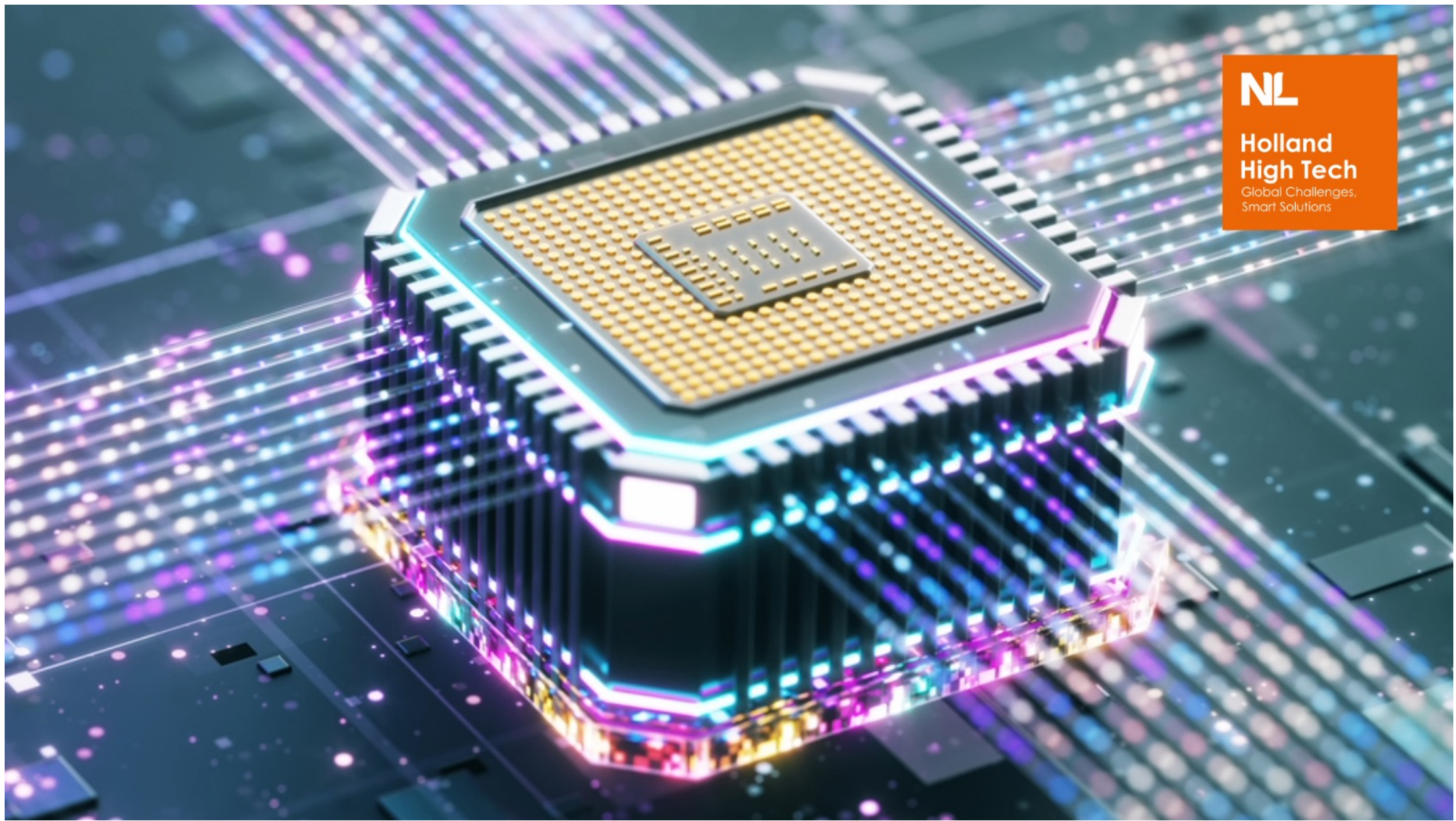
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Semicon Visie 2035

Ambities voor de Nederlandse
halfgeleiderindustrie





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**Wij
stimuleren
innovatie**

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Holland High Tech

Holland High Tech is the Sector High Tech Systems and Materials (HTSM). We offer structural solutions to societal challenges and create economic growth. Teams of experts develop (key) enabling technologies focussed on the National Technology Strategy. Our overall aim is to stimulate impact in international innovation via public-private partnerships.

INNOVATION DOMAINS

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**CIRCULAR
ECONOMY**



**ENERGY
MATERIALS**



**HIGHTECH
SECURITY**



**IMAGING
TECHNOLOGIES**



**MECHATRONICS
& OPTOMECHANICS**



**OPTICAL SYSTEMS
& INTEGRATED PHOTONICS**



**QUANTUM
TECHNOLOGIES**



**SEMICONDUCTOR
TECHNOLOGIES**



**SMART
INDUSTRY**



**SUSTAINABLE
MOBILITY**



**SYSTEMS
ENGINEERING**



PETER STOLK

CHAIRMAN | KEY ENABLING TECHNOLOGIES
CHAIRMAN | HOLLAND HIGH TECH

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Ministerie van Economische Zaken
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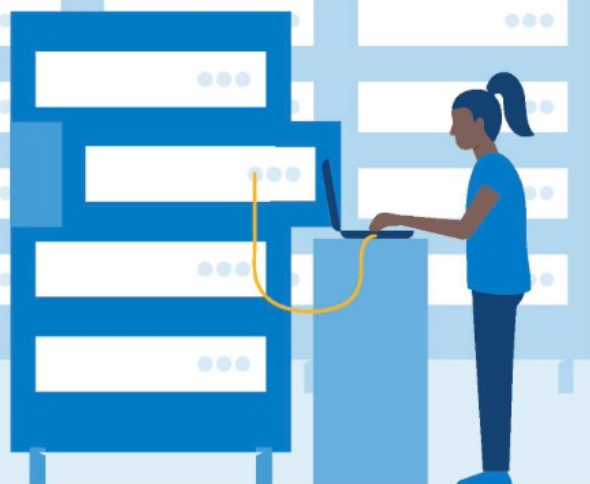
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Semicon Vision 2035: From roadmap to execution

Núria Barceló i Peiró

Head of NXP-NL Public Collaborative Programs

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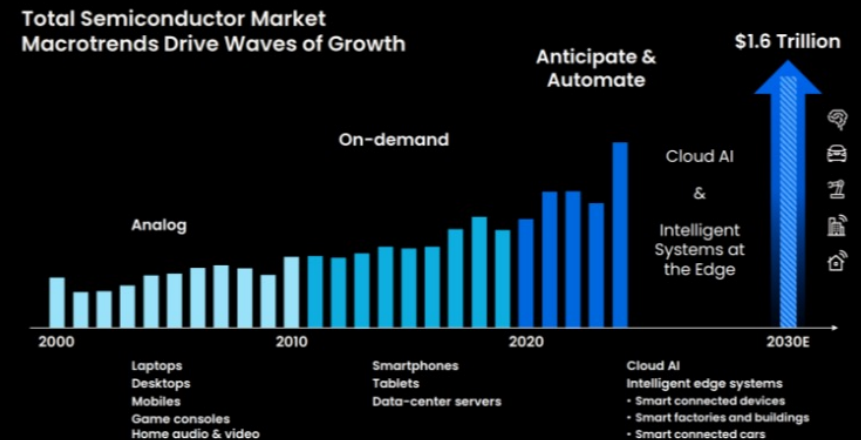
A Decisive Decade for Semiconductors

- Semiconductors underpin **economic growth, security, and societal resilience**
- Global market expected to grow to **~€1.6 trillion by 2030**
- Europe's position in production remains **limited vs. global competitors**

The key question is no longer what we can dream but what we can deploy at scale

Urgency is high

- Global competition scaling rapidly
- Strong international subsidies
- Strategic dependencies increasing ~38k talent gap



From Roadmap To Execution

- Success defined by industrial deployment at scale
- Shift from:
 - Technology development → system deployment
 - Pilots → industrial adoption
- Focus on:
 - Time-to-impact – Deployment readiness – Ecosystem coordination

Execution is the new competitive advantage

The Netherlands in 2035

Netherlands' strengths

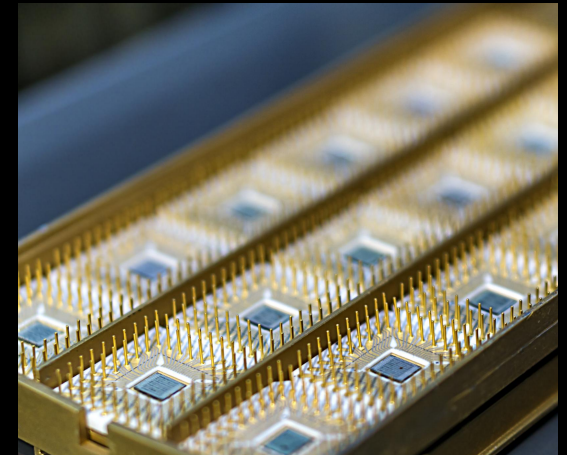
The Netherlands is not just strong in one segment, but across equipment, design, and emerging technologies like photonics. And importantly, we have a deeply collaborative ecosystem.

Future Leadership Opportunities

Leading innovation in AI chips, 6G / communication, Heterogeneous integration, Quantum & photonics and Automotive & robotics is the focus for the coming decade.

Strategic Collaboration Importance

Cross-domain collaboration and system expertise drive strategic value in European and Dutch semiconductor sectors.



The Netherlands in 2035

Shift to System Integration

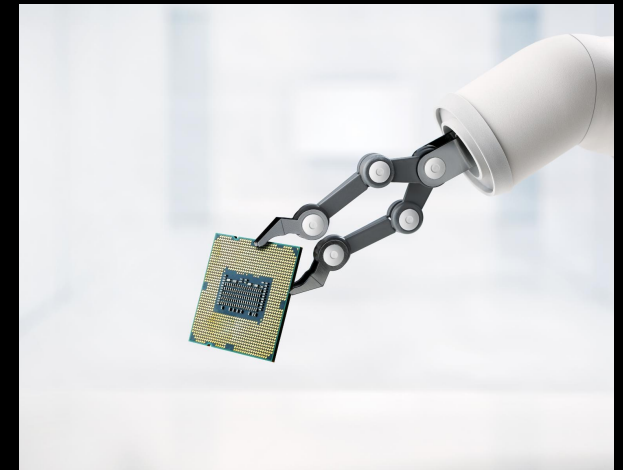
Success depends on integrating hardware, software, and AI to create deployable solutions addressing societal and industrial needs.

Execution Example: Automation – Robotics

Automation and robotics show how Dutch semiconductor strengths can become deployable systems: combining sensors, edge AI, power electronics and precision control to boost productivity, resilience and industrial competitiveness.

Alignment with Policy Goals

This vision needs to support sustainability, digitalization, resilience, and strengthens Europe's strategic autonomy in technology.



From vision to execution: what we need now

- Consistent public incentives
- Accelerate pilot → industrial deployment
- Build talent and infrastructure at scale
- Strengthen European collaboration
- Maintain and strengthen NL leading position in key value chain segments

The opportunity is clear – The challenge is execution

Decisive action now will secure leadership and transform the vision of Semicon 2035 into reality



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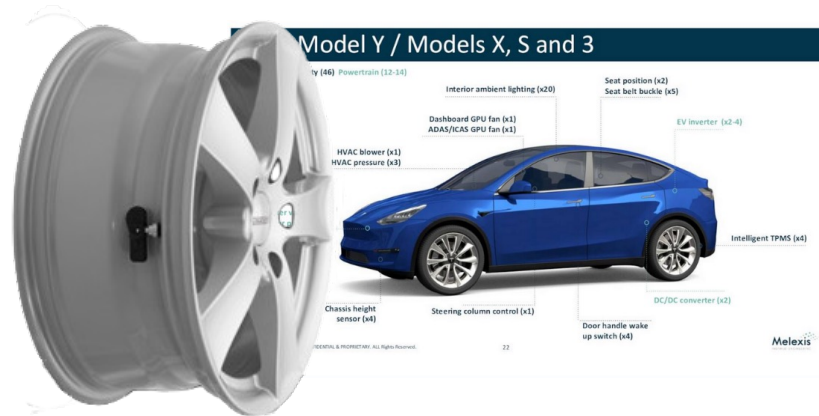
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Semicon 2035 SystematIC

HHT, Fokker terminal, Richard Visee, June 17th 2026



SystematicC facilitates innovation



AITO TECHNOLOGY BRINGS HAPTIC FEEDBACK TO A COMPLETELY NEW LEVEL

INTEGRATED FINGER SENSING & HAPTIC FEEDBACK

AITO HAPTIC IC
Integrates required analog front-end and controller to a single die.

AITO CONTROLLER IC
The AITO Controller uses a proprietary signal processing and force driving algorithm tailored to specific customer applications.

- The number of Haptic channels can be scaled up to the required level.
- The IC is small and simple to integrate into customer applications.
- QFN package 4 mm x 4 mm x 0.55 mm

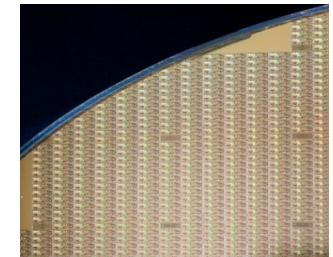


SystematIC company

- Integrated Circuits: design, IP and products
- Innovative design: sensor, RF and power chips
- Industrial, consumer, automotive markets

- >25 years in Delft
- >20 years in Asia
- >10 years products

SystematIC provides technology for *smarter, smaller* and energy *efficient* systems



Innovation...SystematicC's mission...Dutch mission!

Innovation:

bring technology successfully to the market

Innovation in **integration**:

EV & solar, haptic, biometric, biomedical, class D audio, edge-AI, energy harvesting, ISM RF, security....

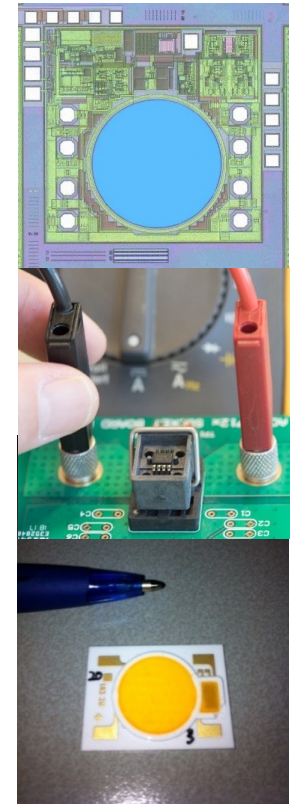
Innovation through **cooperation**:

Human Talent

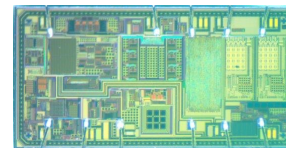
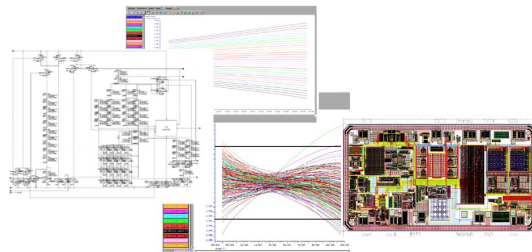
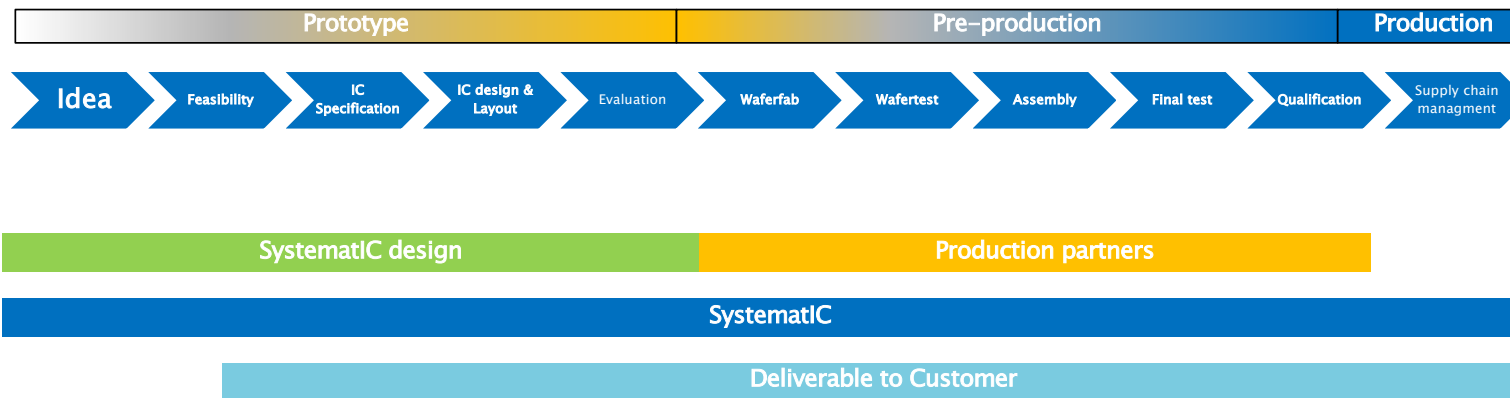
Complementary tech and new tech

Foundry, Test & Assembly, M&S

IDM/OEM



Innovative design and... industrialisation



An SME and the Strategic priorities Dutch semicon

1. Cooperate internationally
2. Invest with focus on innovation, development and production
3. Better access to growth capital
4. Protect our chip industry, secure our economic and national security
5. Human talent
6. Right boundary conditions

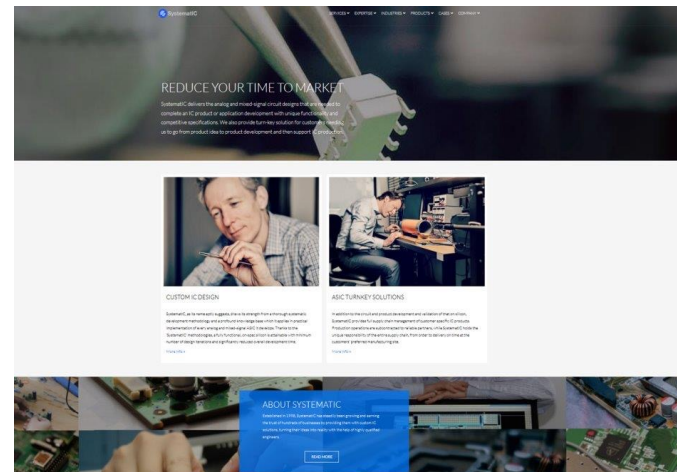
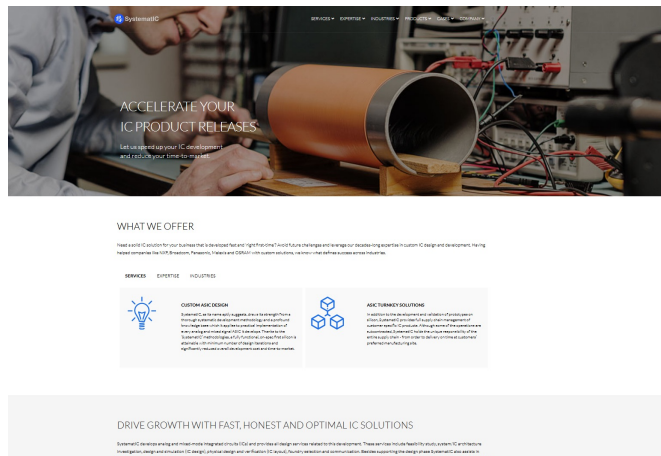


2035: Built Bridges, conquered valleys ...weren't afraid of the clouds!

- Dutch Semicon Eco system expanded
 - open mature CMOS technology foundry
 - access to competitive back-end solutions
 - cooperation over competition
- Innovative startups flourish with products
 - R&D: R important, D (product) is key to innovation
 - facilitated: talent, eco-system, €
- Systematic 2035
 - Team with more local talent
 - boundary conditions facilitate business
 - local eco system production partners
 - more innovative product production lines



Thank you for your attention!



www.systemat-ic.com



**THANK
YOU**

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The logo consists of the letters 'NL' in a bold, white, sans-serif font.

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The title 'IGNITE INNOVATION' is written in a large, bold, white, sans-serif font, centered within a yellow rectangular area. The background behind the text is a dark teal rectangle.

**ACCELERATING
DUTCH HIGH TECH**

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