settels savenije
group of companies

WHERE PHYSICS, MECHATRONICS & CLEANLINESS MEET

# OUR HOMEBASE

Eindhoven, The Netherlands

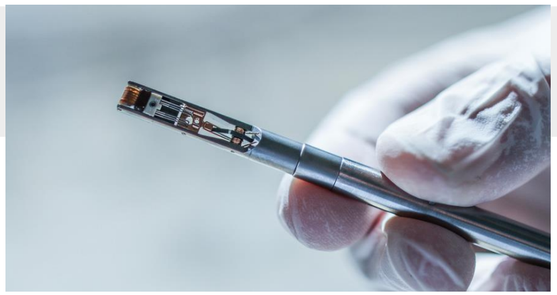
# WHAT WE DO

## CONCEPT DESIGN & DEVELOPMENT

**Research & Development**
100 FTE

Integration of physics, mechatronics, cleanliness and precision.

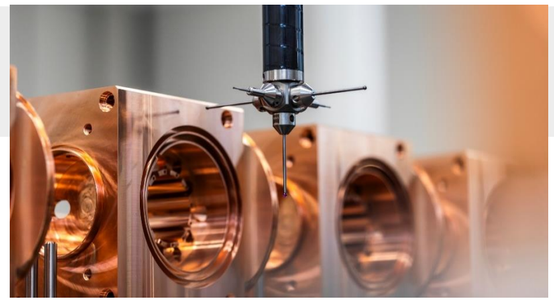
## SYSTEM ASSEMBLY & TEST



**Advanced Systems**
30 FTE

- High-mix, low-volume
- Prototypes & functional models
- Cleanliness and precision.

## IN-HOUSE PRECISION MANUFACTURING



**Precision Parts**
35 FTE

- Complex high-precision parts
- Critical dimensions, exotic materials
- Turning, milling, (wire) EDM

**From research, proof of principle studies, concept design up to engineering.**
**Industrializing and delivering systems, modules and parts.**

# WHERE WE EXCEL

PHYSICS
MECHATRONICS
CLEANLINESS

SEMICON

ANALYTICS

INDUSTRY

RESEARCH

PRECISION MECHANICS

ADVANCED MOTION SYSTEMS

VACUUM SYSTEMS

PRODUCT CARRIERS

OPTICAL SYSTEMS

ELECTRONICS, SOFTWARE & CONTROLS

# WHO WE ARE

Founded in 1987, Settels Savenije has become a worldwide provider of systems, modules, and critical components at the forefront of technology.

We commit to delivering high-quality, innovative solutions tailored to meet the unique needs of our clients.

| | | | |
|---|---|---|---|
| **SINCE** | 1987 | **LOCATION** | Eindhoven, The Netherlands |
| **STAFF** | 165 FTE | **REVENUE** | € 25M – € 35M |
| **MISSION** | Driving Innovation at the fore front of technology | | |
| **VALUES** | • Entrepreneurship and team responsibility<br>• Innovative & creative out-of-the-box thinking | | • Integrity, transparency, and collaboration<br>• Strong teamwork & mutual support |
| **CUSTOMERS** | 9 key customers | **OFFICES** | 3000 m2 |
| **FACTORY** | 5500 m2 factory & ISO 6-8 cleanroom spaces | | |
| **PARTS** | 500,000 + parts per year | | |

# Total Solution Provider

From research, proof of principle studies, concept design up to engineering and industrializing systems, modules and parts

## CONCEPT DESIGN & DEVELOPMENT

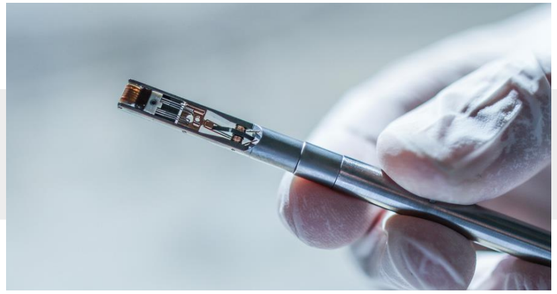
Integration of physics, mechatronics, cleanliness and precision.

**Research & Development**
100 FTE

### Competences

- Precision mechanics & mechatronics
- Software, control & electronics
- Optics & opto-mechatronics
- Physics & ultra-clean systems
- Cleanliness & DfX design

## SYSTEM ASSEMBLY & TEST



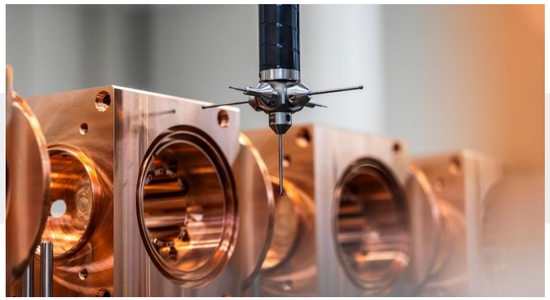
High-mix, low-volume production, prototypes, and functional models, ensuring cleanliness and precision.

**Advanced Systems**
30 FTE

### Competences

- Manufacturing Engineering
- Supply Chain Engineering
- Production Engineering
- Integration & Validation
- Clean Service Provider
- Service & Sustaining

## IN-HOUSE PRECISION MANUFACTURING



Complex high-precision parts manufacturing while handling challenges like small dimensions and exotic materials.

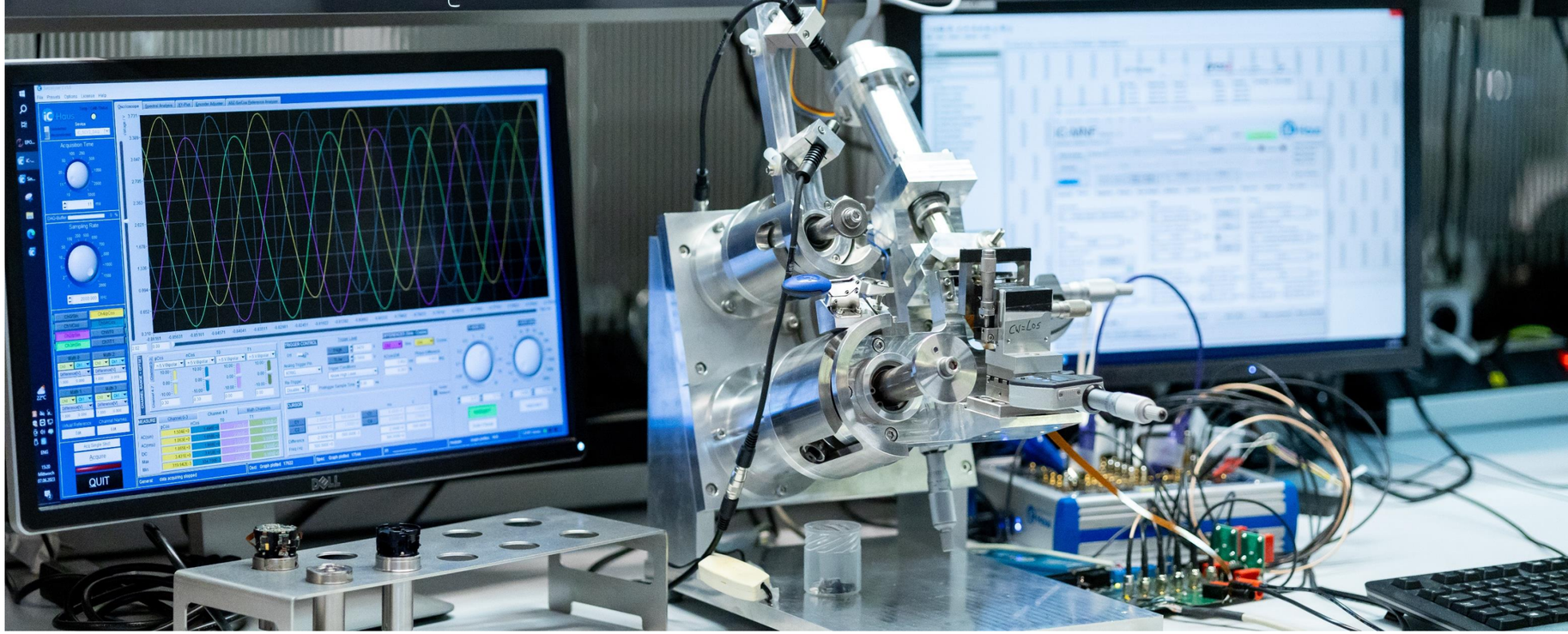
**Precision Parts**
35 FTE

### Competences

- Precision milling, turning & EDM
- Laser welding, vacuum brazing & coatings (PVD, CVD, passivation)
- 40x finishing, micro etching & parts inspection
- Surface plating, optical anodizing & grade 2 cleaning

# Research & Development

We start from a solid system **architecture** and **design.** Verify and validate, including complex physics **modelling**, prototyping and **proof of concept** demonstration. In the domain of **nanometer-precision** mechanics, optics and mechatronics systems.




### Competences

- Precision mechanics & mechatronics
- Software, control & electronics
- Optics & opto-mechatronics
- Physics (vacuum, heat, pressure, radiation) & ultra-clean system design
- Cleanliness-focused design (particles, chemicals) & DfX (assembly, manufacturing, cost).

### Services

- Feasibility and concept development
- Module and system design (incl. software)
- Testing and validation
- Product lifecycle support
- Customer IP development

### Facilities

- X m2 of laboratory for electrical, mechanical and high-pressure systems,
- Multiple 3D printers for rapid design iterations.
- Development software for design, modelling and lifecycle management.

# Advanced Systems

**Assemble**, test, qualify, and validate complex **high-tech** systems, modules, and (sub)assemblies

Deliver **build-to-print** and build-to-order solutions, ranging from **high-mix, low-volume** to series production

Provide comprehensive **service** and maintenance for all delivered system

## Competences

- Manufacturing Engineering
- Supply Chain Engineering
- Production Engineering
- Integration & Validation
- Clean Service Provider
- Service & Sustaining

## Facilities

- ISO 5/6 surface 600m2
- ISO 7 surface 200m2
- ISO 8 surface 4x50m2
- Laser safety environment
- Assembly hall footprint of 2500 M2

## RGA Capabilities

- RGA Small & XXL
- Parts up to 2000 x 2000 x 1000 mm and 1250 kg.
- Bake-out temperature: 200 °C
- Released cleanliness standards for large semicon OEM’s.

# Precision Parts

Series **production** of high precision parts. **Fast track** production of parts in our model shop. **Industrialisation** studies. Manufacturing cost & **risk studies**. Design for manufacturing support.


## Competences

- Precision Milling
- Precision Turning
- Wire-EDM
- Precision finishing
- Cleaning acc. to GSA Grade 2 and 4
- Parts inspection and certification
- Laser Welding
- Surface plating
- Optical anodizing
- Vacuum brazing
- Passivation PVD/CVD
- Micro-etching

## Special Metal & Plastics

- OF Copper
- TZM
- Molybium
- 316Ti
- Inconel 6-4
- Titanium
- AlCu
- Invar
- ACP5080s
- BeCu
- PEEK
- PPSU

# WHY STTLS

## Sustainable

Whether it’s single prototypes or repeat batches, STTLS is equipped for flexibility and adheres to delivery schedules that align with OEM production planning—always on time and within specification

## Inspiring Environment

Assembly and Test area’s, cleanrooms, lab’s, innovation lab, high end machining and measurement equipment. Suitable for all customer requirements

## Innovation in mechatronics

Even in a Build to Print context, STTLS adds value: their engineers understand complex technical drawings and proactively flag manufacturability risks or optimization suggestions—without altering the design

## Quality through Teamwork

STTLS applies rigorous quality protocols, this ensures every part matches specifications exactly, with no room for interpretation errors

## Transparency

Real time customer dashboarding, with all information available via our portal to follow orders, projects and all QLTC KPI’s

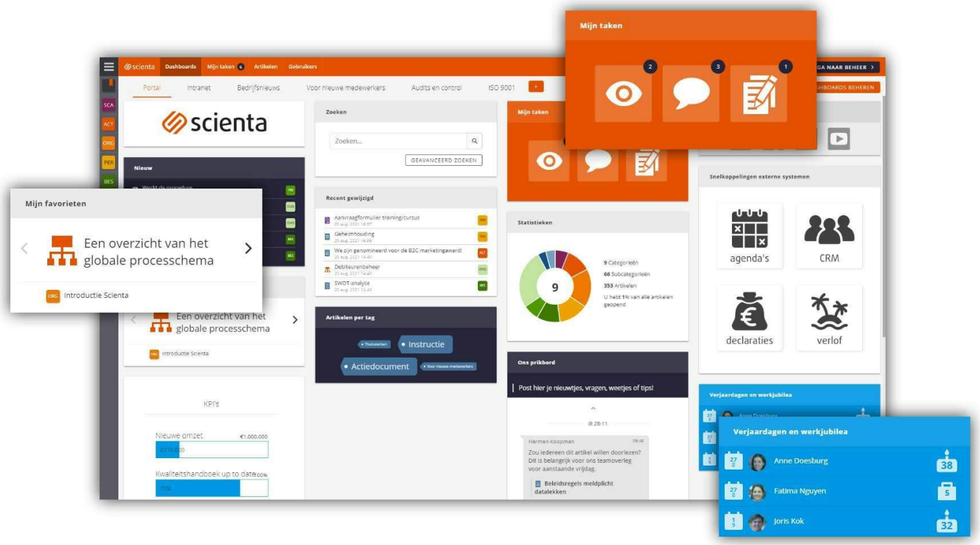
# QUALITY FIRST

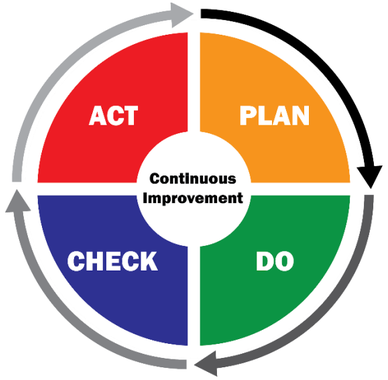
We believe delivering consistent quality ensures lasting results. This is supported by our quality portal "Scienta" and ISO 9001/14001 certifications.

While prioritizing quality in engineering and manufacturing, we also focus on cost and planning, driven by QLTC KPI’s in our R&D and build-to-print projects.

As employer, business partner and supplier, we embody a sustainable philosophy through our operations and respect for our employees at all levels.

We believe there's always room for improvement, guided by the PDCA (Plan-Do-Check-Act) approach, continually challenging ourselves, our suppliers, and customers.




LRQA CERTIFIED ISO 9001

LRQA CERTIFIED ISO 14001

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# THANK YOU FOR YOUR ATTENTION!

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