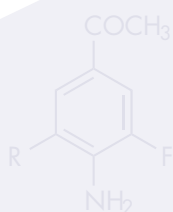
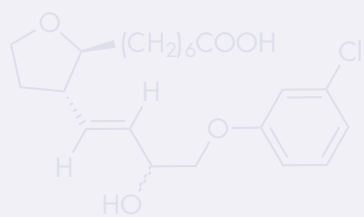


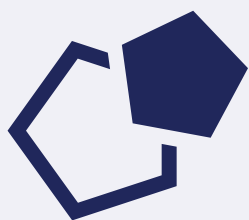
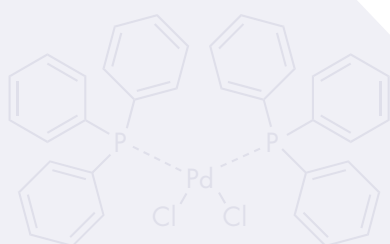
Dedication



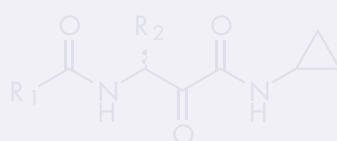
Integrity



Development



NCK

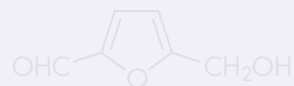
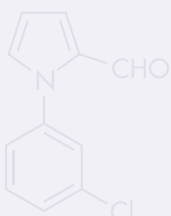


Passion

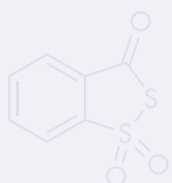
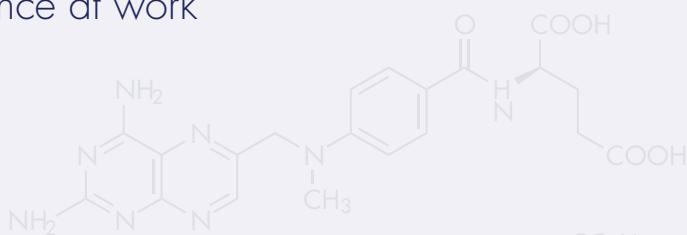
BRIDGING THEORY AND KNOW-HOW

- science at work

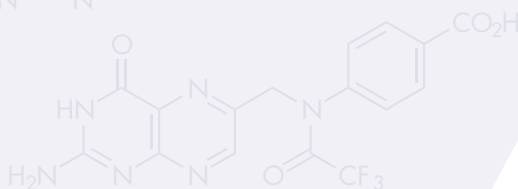
Minimized risk



Life science



Transparency



Contents

- 01. Analytical laboratory
- 02. Synthesis laboratory
- 03. Pilot plant
- 04. Project management
- 05. Global presence



LIFELONG EXCELLENCE WITHIN APPLIED ORGANIC CHEMISTRY

NCK provides cutting edge process development and API manufacturing for biotech and pharma companies who want to take compound leads from discovery to commercialization.

Our clients benefit from more than 60 years of experience based on strong theoretical knowledge combined with outstanding skills for applied chemistry.

Our in-house designed project management system supports a rapid and smooth project progression throughout all stages in an open and transparent environment, where all information is exchanged via the project manager.

NCK's well-integrated project management system ensures that all projects meet client expectations on time and on budget.

Theoretical distinction runs in our DNA

Dr Niels Clauson-Kaas, a well-reputed university researcher, founded NCK in 1956. He wanted to create an innovative company with strong competences within research and development in the field of organic chemistry.

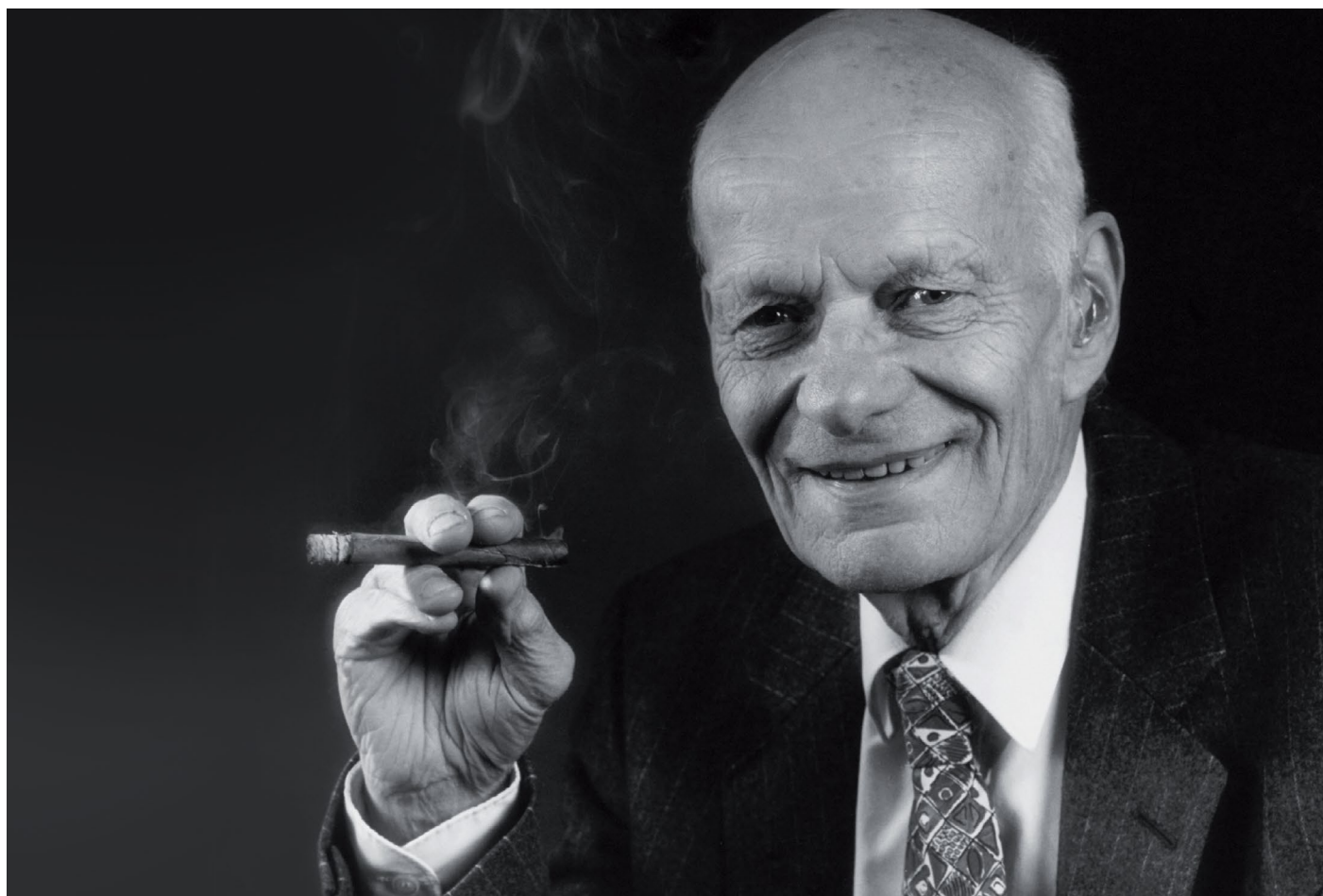
Dr Niels Clauson-Kaas remained a chemist and a scientist at heart. He was very dedicated to his work, and the high quality and excellent skills for which he was known, were transferred to his colleagues.

His reputation as an outstanding chemist was, and still is, a core asset to the company. He headed a group of highly competent and dedicated chemists - and together they created the inspiring and innovative environment, today known as NCK.

Over the years, NCK has been able to develop a smooth, seamless workflow with a keen eye on client needs for expected results, timely delivery and thorough documentation.

In 1983, a foundation was established to buy out Dr Niels Clauson-Kaas. The objective was to build a sustainable company, and continue having an inspiring working environment.

Emphasis was put on life science, and parallel to this, a more aggressive marketing strategy was implemented. From being a regional player, primarily doing business in Europe and Israel, the management expanded the strategy to include the United States and Japan. Over the years, this strategy has proved very successful.



Dr Niels Clauson-Kaas (1917-2003) was an outstanding chemist. He held a Master of Science Degree from the Technical University of Denmark (1940) and from the University of Copenhagen (1943).

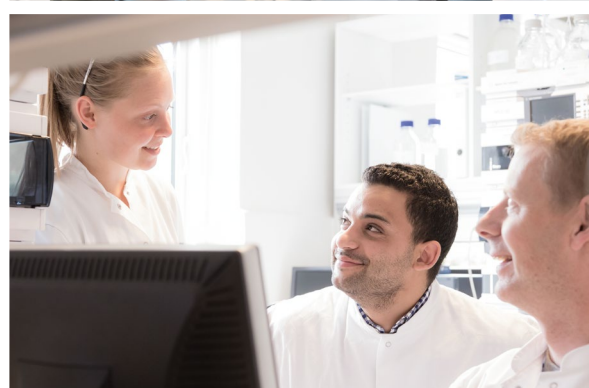
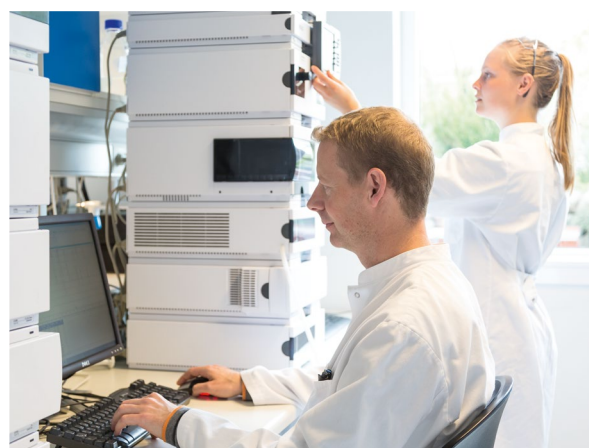
Analytical laboratory

We see an increasing demand for analyses and today, the QC team consists of five full-time employees: three analytical chemists and two laboratory technicians.

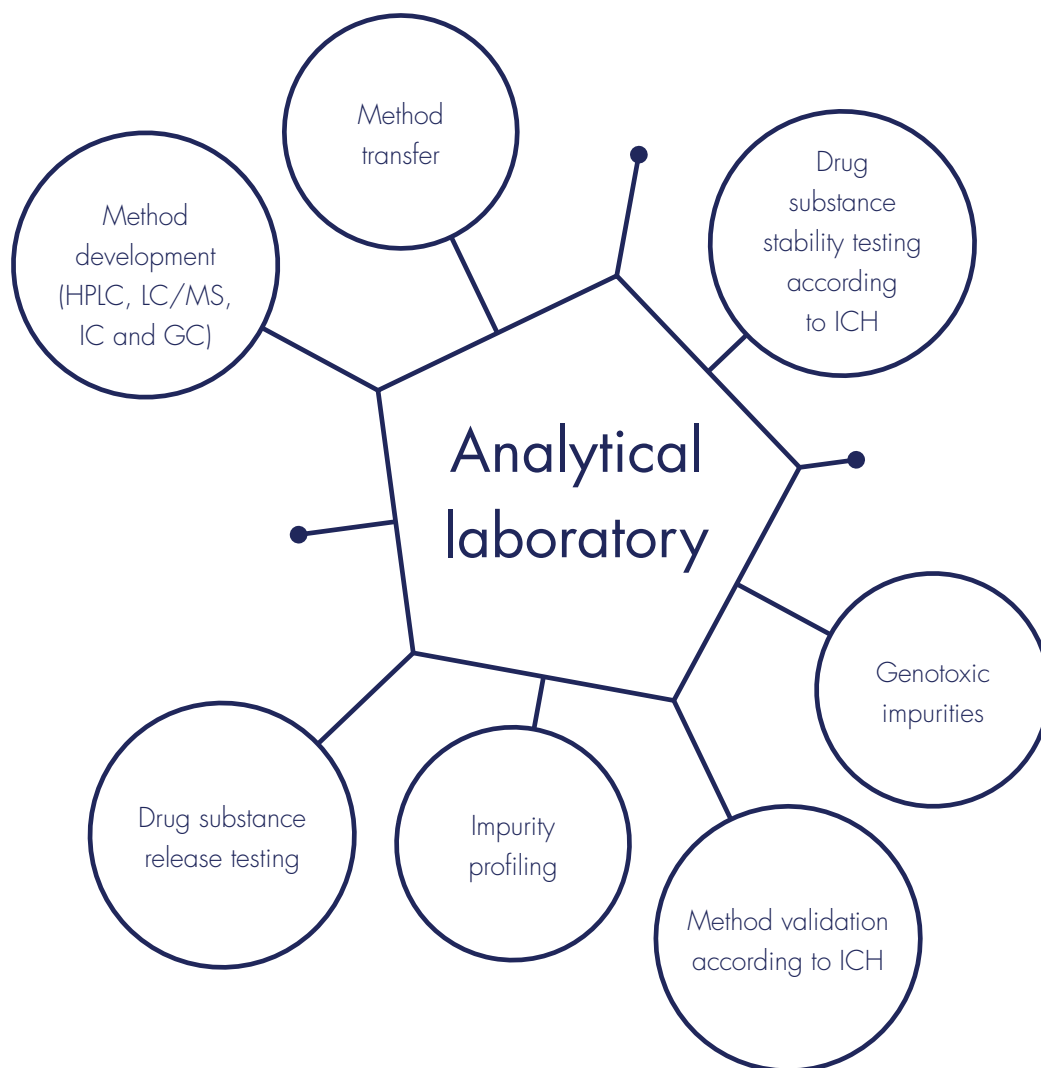
All analyses are designed in-house to meet desired requirements, and most analyses are carried out on-site. Some analyses, such as residue on ignition, heavy metals, NMR, IR and microbiology and microanalyses, are carried out by external laboratories, all audited by NCK.

NCK runs a state of the art analytical laboratory, which includes HPLC (DAD; ELSD and CAD), GC and LC-MS (QTOF). In connection with process development and API manufacture, NCK can offer development and validation of analytical test methods as well as stability studies according to ICH guidelines.

Our analytical laboratory is constantly being updated to meet industry standards and client expectations.



In-house analytical design and control



Team

Highly skilled team in method development, method validations and drug substance stability testing

Equipment

HPLC (DAD, ELSD & CAD), GC (FID), LC-MS (single-quad & QTOF) and IC (CD)

External labs

NMR, ICP-MS, FTIR, XRPD, DSC, ROI and microbiological tests are carried out by external labs audited by NCK

Synthesis laboratory

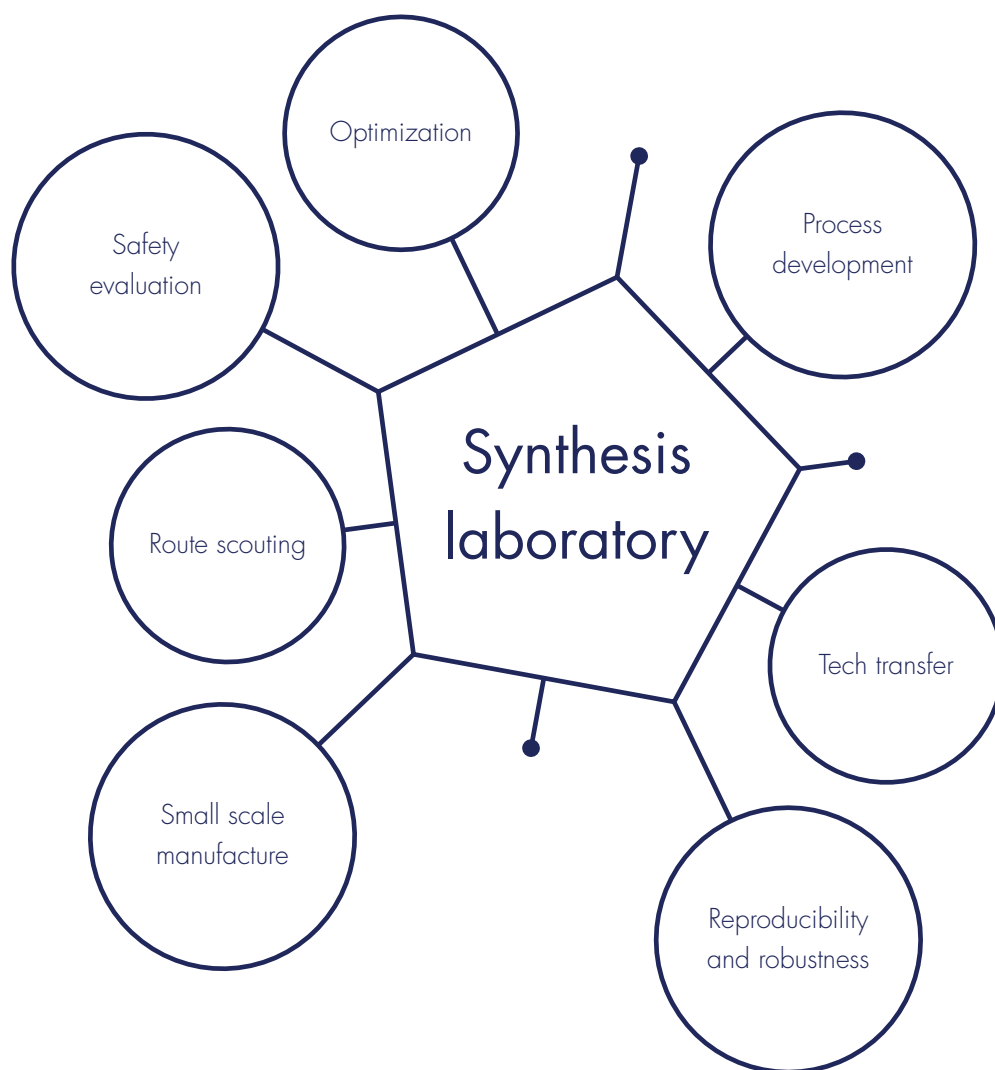
NCK has a well-equipped, state of the art synthesis laboratory used for conducting process development and small-scale, non-GMP manufacture.

For the past 60 years, NCK has developed a vast knowledge pool within the area of organic chemistry, and our internal system setup safeguards all information.

All lab notes throughout the years are stored in our central archive, and through a large reaction database, consisting of more than 8,500 reactions conducted in-house, we have easy access to valuable references of previously developed chemistry.



60 Years within organic chemistry



Twelve

Ten fume cupboards
and two walk-in hoods

72,000

Isolated samples

Training

In-house training of
new employees

+ 8,500

Reactions over
60 years

NCK's Pilot plant

NCK has its own multi-purpose pilot plant operated under GMP.

The pilot plant consists of five production lines equipped with glass or glass-lined reactors, ranging from 40-280 L plus a 160 L steel reactor used for cryogenic reactions.

The pilot plant consists of three production rooms, two drying rooms, several storage areas and utility rooms. The pilot plant is staffed by three people: two chemists and one technician.

When a project is transferred from the laboratory to the pilot plant, the responsible project manager actively participates in the transfer and will be in overall charge of the transfer.

Good Manufacturing Practice (GMP)

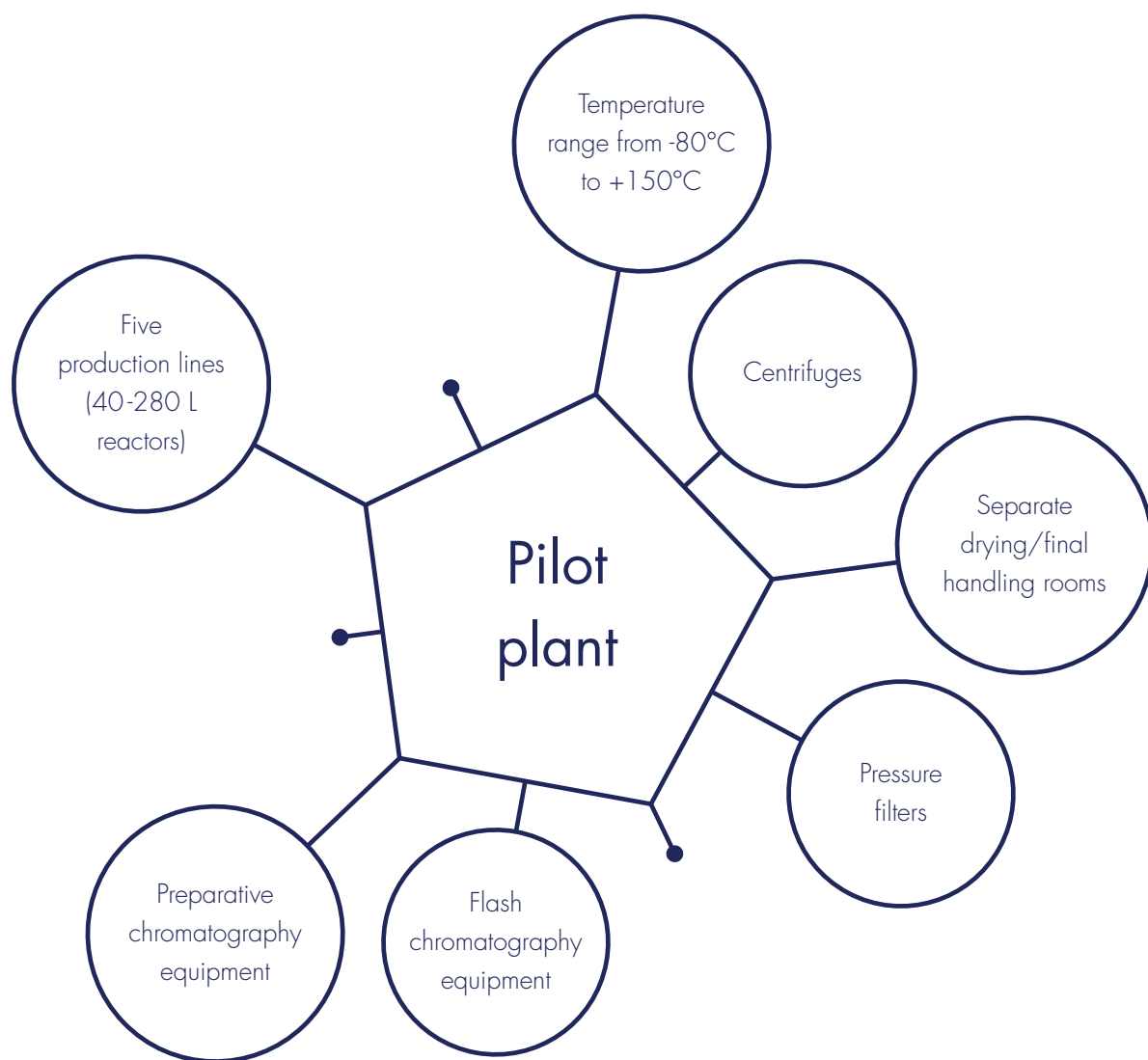
The pilot plant work is performed under our SOP system, e.g. controlled production documentation and Quality Assurance involvement, including equipment cleaning verification, training, auditing, release/approval decisions and investigations.

Environment

NCK operates in accordance with applicable laws and regulations in Denmark, as well as those within the European Community. All hazardous waste, whether in solid, liquid or gaseous form, is collected and sent for treatment at an authorized waste disposal site.



Accumulated experience since 1956



8,500

Different reactions carried out

72,000

Isolated samples

1,500

Projects for more than 200 customers

1,600

CK products

Efficient project management

NCK is a project oriented organization. We aim at setting the highest standards within the industry. Over the years we have developed and continuously perfected the way we conduct and manage projects in order to minimize risks and increase predictability.

The project manager, who is always an experienced chemist, has the overall responsibility from the very start of a project right until delivery of the finished product. This ensures a seamless and agile flow throughout all process steps.

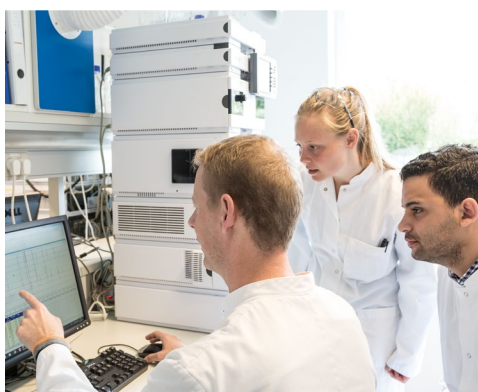
The project manager takes care of all contact with the client and facilitates exchange of relevant information. This ensures that all phases in any given project are carried out timely, with professionalism and a keen eye for details in order to meet the highest quality standards.

Communication

NCK understands the importance of transparent communication and reliable documentation. Throughout any project, our clients will be regularly updated through progress reports and conference calls. All projects are concluded with a summary report. All GMP documentation meets industry standards, and will be provided to our clients upon product release.

Technology transfer

NCK can support transfer of the developed technology to any third party chosen by the client. In addition, we can recommend several established API manufacturers around the world.



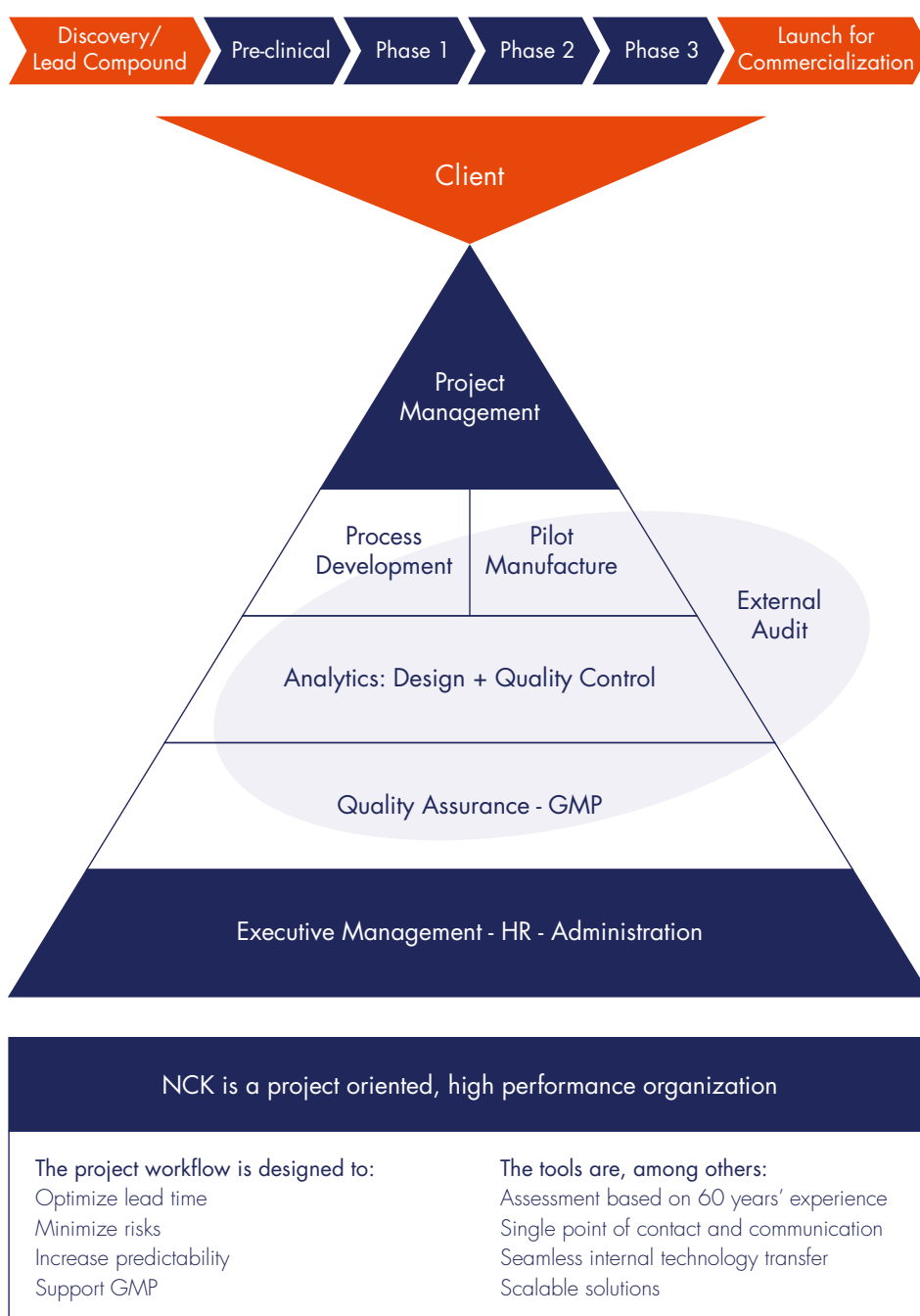
Project management - Key to success

NCK's project management system is created to ensure a fast, seamless progression throughout all stages of any given project. The project manager is responsible for all essential decisions.

At NCK, we prefer to offer all clients a single point of contact. The project manager facilitates communication between the client and the team to ensure a uniform and transparent exchange of information.

The project manager takes active part in all stages of the project. This ensures that projects are carried out timely, with professionalism and with a strict eye for details and quality of service.

Throughout all projects, the project manager keeps the client well informed with written progress reports and teleconferences on a regular basis.



Global presence



Europe

NCK A/S

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Email: nck@nck.dk

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Davos Pharma

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New Jersey 07458
USA

Telephone: +1 201 995 0070
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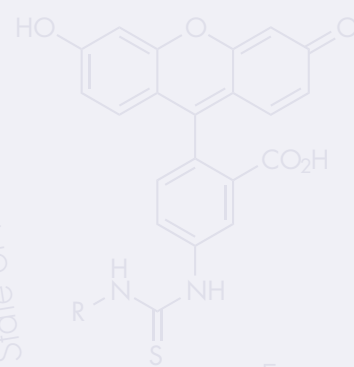
“ In a global, competitive market, NCK offers significant value to our clients: high quality, predictable lead time and fixed prices are our guarantee for reduced risk performance.”

Jørgen Godt Olsen,
Executive Vice President

NCK A/S
Rugmarken 28
DK 3520 Farum
Denmark

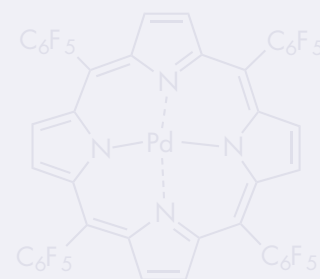
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Performance



State of the art

Focus



Progression

