

**OFFER FOR ERASMUS+ TRAINEESHIP AT
NDB EUROPE LTD (London, United Kingdom)
NIMA OU (Tallinn, Estonia)**

The Receiving Organization

1. Legal department
2. Tech department (Materials scientist, nuclear engineers, electrical and electronics engineers)
3. Marketing and Communications (Marketing, social media, PR)
4. Software developers

Short information on the Receiving Organization's Profile (or on the office/laboratory that accepts the trainee)

NDB or Nano Diamond Battery is an innovative energy generator and storage that redefines and revolutionizes the battery as we know it. Its long-lasting properties and longevity are ensured by converting the radioactive decay energy from nuclear waste into energy. NDB is tiny, modular, cost-effective, and scalable from chipset to industrial applications.

We foresee this technology as a means of creating a cleaner future where innovation and environment could coexist. We want to accelerate the transition to a low carbon economy with our innovative energy generation and storage systems and we are looking for exceptional talent to drive our growth.

Title of the traineeship

1. Legal department
2. Tech department (Materials scientist, nuclear engineers, electrical and electronics engineers)
3. Marketing and Communications (Marketing, social media, PR)
4. Software developers

Traineeship description

Traineeship in digital skills¹: Yes No

(Both options are available)

Remote Traineeship from students living place at but hosting country: Yes No **(Both options are available)**

Physical Traineeship at organization offices: Yes No **(Both options are available)**

Duties, responsibilities, and tasks of the trainee:

Job descriptions for each position are attached below as annexes.

Knowledge, skills, and competences to be acquired by the end of the traineeship:

- Role-related knowledge
- Self-Reliance
- Problem-Solving Skills
- Commercial Awareness
- Teamwork
- Practical Skills
- Self-Confidence and Self-Esteem

¹ **Traineeship in digital skills:** any traineeship where trainees receive training and practice in at least one or more of the following activities: digital marketing (e.g. social media management, web analytics); digital graphical, mechanical or architectural design; development of apps, software, scripts, or websites; installation, maintenance and management of IT systems and networks; cybersecurity; data analytics, mining and visualisation; programming and training of robots and artificial intelligence applications. Generic customer support, order fulfilment, data entry or office tasks are not considered in this category.

Duration:	5 to 6 months
Working hours:	30 to 40 hours per week
Profile required (type of degree, level)	Bachelor students in their third-year studies at least.
Language:	English B2
Special skills:	Please see annexes
Contact Person:	Giorgi Gogokhia; giorgi@ndb.technology ; +44 7438432847
Deadline:	N/A
Additional requirements	N//A

Provision of Receiving Organisation/Enterprise

The Receiving Organisation /Enterprise will provide financial support to the trainee for the traineeship: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, amount (EUR/month):
The Receiving Organisation/Enterprise will provide a contribution in kind to the trainee for the traineeship: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, please specify:	
The Receiving Organisation /Enterprise will provide an accident insurance to the trainee (if not provided by the Sending Institution): Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	The accident insurance covers: - accidents during travels made for work purposes: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> - accidents on the way to work and back from work: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
The Receiving Organisation/Enterprise will provide a liability insurance to the trainee (if not provided by the Sending Institution): Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
What other support and equipment will the Receiving Organisation/Enterprise provide to the trainee: N/A	

Sincerely,

Signature *Giorgi Gogokhia*

Date November 9, 2021

Giorgi Gogokhia
Chief Operating Officer

Annex A

Compliance (legal) Assistant

NDB or Nano Diamond Battery is an innovative energy generator and storage that redefines and revolutionizes the battery as we know it.

We are currently looking for a passionate, talented, and knowledgeable compliance (legal) assistant with proven experience to join a collaborative and innovative team to help with the delivery of a robust compliance programme across the business and providing support to the Compliance Manager, Directors and all business departments as required.

A legal assistant must be able to juggle many tasks at once, have excellent communication skills, practice good judgement, and keep files and proceedings confidential.

Your profile:

- Fluent English speaking and writing skills.
- Must be proficient in Microsoft Word, office, Outlook, Excel, and PowerPoint.
- Curious, proactive, and open-minded.
- Must be able to maintain project confidentiality.
- Administration and database management.
- Experience in a compliance environment.
- A high level of literacy and numeracy.
- Able to demonstrate meticulous attention to detail and accuracy
- Able to demonstrate relevant experience and proficiency in developing effective administrative systems.
- Ability to understand, analyse, explain, and implement complex regulatory and compliance requirements.
- Multi-tasking and time-management skills, with the ability to prioritize tasks.
- A team player but can work independently too.

Duties and Responsibilities:

- Assisting in the creation and delivery of a compliance programme ensuring that compliance with relevant policies is maintained
- Assisting with completing file audits of cases across various business departments
- Assisting with reviewing and updating compliance and company Policies & Procedures
- Drafting legal correspondence and documents related to company's contracts, corporate entities, corporate governance, litigation, and intellectual property in accordance with the company's guidelines.
- Assisting legal department on a wide range of other legal matters such as compliance, company secretarial ad more.
- Preparing initial contract draft based on input from all involved parties.
- Conduct research to find new funding opportunities and potential donors.

- Corporate fundraising – arranging company sponsorship or setting up schemes for staff and customers to donate
- Keeping records of fundraising activities and money raised
- Responding to customer requests by phone and email
- Developing and maintaining documents required for grant proposals (g., biosketches, budgets, current standard attachments)
- Formatting and submitting grant proposals per requirements of grantors
- Tracking the status of submitted grants and updating weekly grant activity report
- Work independently and within a team on new and ongoing projects related to company's corporate entities and contracts
- Updating and maintaining filing systems, including confidential files; sets up new files; receives, pulls, and files documents and records
- Typing correspondence, reports, memos, forms and related materials with accuracy, completeness and in compliance with departmental procedures.

Annex B

Materials Scientist

NDB or Nano Diamond Battery is an innovative energy generator and storage that redefines and revolutionizes the battery as we know it.

We foresee this technology as a means of creating a cleaner future where innovation and environment could coexist. We want to accelerate the transition to a low carbon economy with our innovative energy generation and storage systems and we are looking for exceptional talent to drive our growth.

We are currently looking for a passionate, talented, and knowledgeable Materials Scientist with proven experience to join a collaborative and innovative team.

As a Materials Scientist, you will work within our team alongside nuclear physicists guided by the Chief Technology Officer to develop our technology. You will be responsible for research, modelling, characterisation, synthesis, and fabrication of the NDB cell.

We would like to hear from self-motivated scientists, who embrace responsibility and execute tasks reliably in a timely manner. Strong technical lab skills and an excellent understanding of materials are critical along with a passion to push the boundaries of material chemistry.

The right candidate will take pride in the projects they work on and help us maintain our high quality of work.

Key responsibilities:

- Modelling and simulation.
- Material handling and characterization.
- Plan and carry out complex research projects, such as the development of new products and testing methods
- Good lab practice in terms of safety, diligence and accurate record keeping.
- Operation of test rigs to enable assessment of product performance.
- Data analysis, processing, and reporting.
- Research and keeping up to date with material developments in the sector.
- Collaborating with Mechanical and Nuclear Engineers to develop our technology.
- Knowledge of the practical application of engineering science and technology, including applying principles, techniques, procedures, and equipment to the design and production of NDB products and services.
- Knowledge and prediction of physical principles, laws, their interrelationships, and applications to understanding fluid, material, and atmospheric dynamics, and mechanical, electrical, atomic, and sub- atomic structures and processes.
- Knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming is a plus.
- Prepare reports, manuscripts, proposals, and technical manuals for use by other scientists and requestors, such as sponsors, customers, partners, and potential partners.

- Determine ways to strengthen or combine materials or develop new materials with new or specific properties for use in a variety of products and applications.
- Compiling, coding, categorizing, calculating, tabulating, auditing, or verifying information or data
- Encouraging and building mutual trust, respect, and cooperation among team members.

Key skills and experience:

- Experience with chemical and molecular modelling.
- A proven track record of projects relating to chemical systems ranging from materials to device testing.
- Prior experience with storage materials, semiconductors, and electrochemistry is beneficial.
- Knowledge of solid-state synthesis and chemical modification.
- Adaptability and teamwork; you must be ready to adapt to changes, solve problems and engage in jobs that are outside of your job spec.
- Degree qualified, preferably with a bachelor's qualification in a related field.
- Deadline-oriented, inquisitive, with great follow-up and reporting skills.
- Excellent attention to detail, with the ability to maintain a high level of accuracy.
- Ability to deal with sensitive information with discretion and to maintain confidentiality.
- English level of at least B2.

You will be a part of our international, talented, and inspiring team, where you get to teach and learn at the same time. You will also get the opportunity to build amazing products and services within a growing team.

We are looking for self-motivated scientists, passionate about pushing the boundaries of material chemistry. If you are ambitious about playing your part in the clean energy revolution and are ready to embrace the work necessary to get there, we encourage you to apply.

Annex C

Nuclear Physicist

NDB or Nano Diamond Battery is an innovative energy generator and storage that redefines and revolutionizes the battery as we know it.

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We are currently looking for a passionate, talented, and knowledgeable Nuclear Physicist with proven experience to join a collaborative and innovative team.

As a Nuclear Physicist, you will work within our team guided by the Chief Technology Officer alongside Materials Scientists to develop our technology. You will take part in exploring the potential of different nuclear battery technologies for power generation as well as nuclear waste recycling solutions.

The right candidate will take pride in the projects they work on and help us maintain our high quality of work.

Requirements:

- Bachelor's degree in Nuclear Engineering or Radiation Physics.
- Experience with modelling and simulation.
- Knowledge of Monte Carlo methods and codes such as GEANT4 or MCNP.
- Interpersonal skills, collaborative and good time management.
- Adaptability: you must be ready to adapt to changes, solve problems and engage in jobs that are outside of your job spec.
- Deadline-oriented, inquisitive, with great follow-up and reporting skills.
- Excellent attention to detail, with the ability to maintain a high level of accuracy.
- Ability to deal with sensitive information with discretion and to maintain confidentiality.
- An English level of B2 at least.

Responsibilities:

- Understand the science behind how nuclear facilities work.
- Making deep research to select a radioisotope source for applications.
- Radiation damage modelling on the transducer material.
- Identifying the degradation of the selected transducer materials and developing alternatives that consider damage, cost, and availability.
- Modelling and simulations.
- Analyse energy transmission, conversion, and storage systems
- Solve design or operational problems with reactor cores and shielding, hydraulic and electrical systems, and complex instrumentation such as monitoring equipment.
- Be aware of and address security concerns regarding the use, transport, storage, and disposal of radioactive materials.
- Interpret data and respond to emerging issues to ensure equipment is always working properly.

- Write reports, project plans and other documents that provide information about new facilities, existing processes, problems and solutions, and safety exercises for regulators, energy firms and co-workers in facility construction and management.
- Discuss engineering issues with people from other fields, such as construction professionals, power grid managers and government officials.
- Use mathematical and computer models and run pilot projects to try out new ideas.

You will be a part of our international, talented, and inspiring team, where you get to teach and learn at the same time. You will also get the opportunity to build amazing products and services within a growing team.

We are looking for self-motivated scientists, passionate about pushing the boundaries of nuclear physics. If you are ambitious about playing your part in the clean energy revolution and are ready to embrace the work necessary to get there, we encourage you to apply.

Annex D

UI/UX Design Internship

NDB or Nano Diamond Battery is an innovative energy generator and storage that redefines and revolutionizes the battery as we know it.

As an Agile delivery organisation, our mission is to deliver best-in-class systems and tools that differentiate us from our competitors and help our business partners win in the marketplace.

We are currently looking for a passionate, user centred UX/UI Designer with proven experience to join a collaborative and innovative team to create visually delightful and easy-to-use digital products in a fast-paced environment.

As a UX/UI designer, you will ensure that the 'user experience' for individuals using websites or applications is as efficient and pleasurable as possible. You will be involved in the design of digital products and services for specific target groups and end users and will need to understand motivations.

Who you are:

- You're a talented designer looking to join a cross-functional Agile team based in London or Tallinn.
- With experience in both UX and UI, you have a track record of designing intuitive user journeys and flawlessly applying design systems.
- You have a growth mindset and often take initiative to improve something that you see isn't working well for your team.
- You're enthusiastic about design and looking to advance in your career by taking on new and complex UX challenges.
- You constructively contribute to design critiques and enjoy working as a team to improve the outcomes.
- Last but not least, you're able to articulately present your designs and speak to the value of their ingenuity.

Responsibilities:

- Creating user-centered designs by understanding business requirements, and user feedback
- Translating requirements into style guides, design systems, design patterns and attractive user interfaces
- Producing high-quality UX design solutions through wireframes, visual and graphic designs, flow diagrams, storyboards, site maps, and prototypes.
- Ensure design standards, guidelines and best practices are adhered to
- Work collaboratively with other designers, product design and development teams, business analysts, engineers, and project managers
- Collaborating with the marketing team, and internal and external designers to ensure the creation and delivery of tailored experiences for the digital user.
- Applying branding concepts and methodologies.
- Work on cross-platform applications to develop user experiences covering mobile phones, tablets, and computers
- Redesign websites to make them more responsive

- Redesign or create mobile apps that are easy to use and configured appropriately for smartphones and tablets
- Keep up to date with technological innovations and new tools.
- Ask smart questions, take risks and champion new ideas.

These are the skills that we believe will bring success in the role:

- Experience working and negotiating with team members and clients.
- Strong visual design expertise.
- Experience leading the design direction of a product or website.
- Knowledge of Sketch, Invision, Photoshop, Illustrator.
- Strong communication and presentation skills.
- Motivation to address the underlying problem and question any assumptions.
- Planning, organisational, and time management skills, with the ability to prioritise own workload.

Also, we would be impressed to see evidence of your...

- Understanding of user testing techniques and methodologies.
- Knowledge of Design Thinking practices.
- Experience working in cross-discipline agile teams.
- Experience collaborating with colleagues who are overseas.
- Background in building and executing upon communications plans.

Required Professional Expertise:

- Multi-tasking and time-management skills, with the ability to prioritize tasks.
- A team player but can work independently too.
- A portfolio of UX and UI work should be shared as part of this application.

Annex E

Software Developer

NDB or Nano Diamond Battery is an innovative energy generator and storage that redefines and revolutionizes the battery as we know it.

As an Agile delivery organisation, our mission is to deliver best-in-class systems and tools that differentiate us from our competitors and help our business partners win in the marketplace.

We are currently looking for a passionate, talented, and knowledgeable Back-end developer with proven experience to join a collaborative and innovative team.

The ideal candidate should be a highly resourceful and creative developer with expertise in Java, springboot, GraphQL, and SQL and no-SQL databases.

Responsibilities:

- Work with other engineers, managers, product, management, QA, and Operations teams to develop innovative solutions and meet client expectations.
- Provide input on software development projects
- Work with a large amount of data and make it usable for non-data professionals
- Continually work to improve processes, implement engineering best practices, and develop automated solutions.
- Maintain systems by monitoring and correcting software defects
- Supporting issue analysis and fix activities during test phases, as well as production issue resolution.
- Write and test code, refining and rewriting it as necessary and communicate with any programmers involved in the project
- Evaluate the software and systems that make computers and hardware work
- Integrate existing software products and get incompatible platforms to work together
- Consult clients and colleagues concerning the maintenance and performance of software systems, with a view to writing or modifying current operating systems

Qualifications:

- Experience processing large amounts of structured and unstructured data, including aggregating data from multiple sources
- Familiarity with databases (SQL and No-SQL)
- Familiarity with Nginx and git auto-deployment
- Multi-tasking and time-management skills, with the ability to prioritize tasks.
- A team player but can work independently too.
- Strong communication and presentation skills.
- Motivation to address the underlying problem and question any assumptions.
- Planning, organisational, and time management skills, with the ability to prioritise own workload
- Have experience in a multi-disciplinary environment, delivering products within tight timeframes.

Annex F

Social Media Manager Internship

NDB or Nano Diamond Battery is an innovative energy generator and storage that redefines and revolutionizes the battery as we know it.

As an Agile delivery organisation, our mission is to deliver best-in-class systems and tools that differentiate us from our competitors and help our business partners win in the marketplace.

We are currently looking for a passionate, talented, and knowledgeable Social Media Manager with proven experience in Public Relations to join a collaborative and innovative team to develop and implement our social media strategy in order to increase our online presence and improve our marketing and sales efforts.

You will manage our online presence by developing a strategy, producing good content, analysing usage data, facilitating customer service and managing projects and campaigns. You will manage our company image in a cohesive way to achieve our marketing goals.

Roles and Responsibilities:

- Develop a social media strategy and set goals to increase brand awareness and increase engagement to align with business goals.
- Manage all social media channels such as LinkedIn, Facebook, Twitter, and Instagram.
- Write engaging articles.
- Generate, edit, publish, and share engaging content daily (e.g., original text, photos, videos, and news)
- Communicate with followers, respond to queries in a timely manner and monitor customer reviews
- Monitor and report on performance on social media platforms using tools such as google analytics.
- Educate other staff on the use of social media and promote its use within our company.
- Collaborate with other teams, like marketing, sales, and customer service to ensure brand consistency.
- Regularly liaise with clients via telephone, email, conference calls or face-to-face (agency roles).
- Perform research on current benchmark trends and audience preferences.
- Monitor SEO and web traffic metrics.
- Oversee social media accounts' design (e.g., Facebook timeline cover, profile pictures and blog layout)
Suggest and implement new features to develop brand awareness, like promotions and competitions

Requirements:

- A solid understanding of the use of a range of social media platforms, particularly in relation to advertising/branding.
- Strong editing and writing skills suitable for each platform
- Knowledge and understanding of algorithms and search engine optimization
- Creative skills for contributing new and innovative ideas
- Strong verbal communication skills for articulating ideas to colleagues and clients

- Organisational skills, with the capacity to prioritise and work across multiple projects
 - Data analysis skills and statistical prowess to draw actionable insights.
 - Online community management and customer service skills to strike the balance between publicity and stimulating direct discussion with potential and actual customers.
 - An eye for detail and the ability to work accurately.
 - Excellent teamwork and networking skills.
 - We expect you to be up to date with the latest digital technologies and social media trends.
 - Deadline-oriented, inquisitive, with great follow-up reposting skills.
-