



**Building a bridge to
the Russian market.**
Actions speak louder than words.



BOSTON

BRUSSELS

CWP Coloured Wood Products Ltd. is a Finnish company that specialises in the production of throughcoloured wood products.

An engineer in wood technology, Riku Kärri, developed the colouring method systematically as part of a Lappeenranta University of Technology research project.

This unique through-colouring method provides an excellent alternative to paints and varnishes when the product needs to be highly durable. The material has various applications, including design products and interior decoration.



LUT Strategy:

Building a bridge to the Russian market.

Expertise in Russian business and industry is one of four strategic areas of LUT. With this specific definition, LUT states as its mission to be a bridge between the EU and Russia. Most importantly, LUT promotes knowledge related to Russian markets through research.

The speciality of LUT is that we apply and build Russia-related knowledge with research and education as our tools in all of our three strategic areas of strength. Moreover, in our research projects we seek strength by bringing together experts in different fields in our research teams.

The results of research based on new knowledge are conveyed efficiently to interest groups. These interest groups, for instance businesses and policy-makers, are tied to LUT processes through different structures. The NORDI Research institute as well as the three LUT faculties have their own important role in delivering the message to the environment. Research projects and educational programmes are tools in this information process.

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LUT's strategic areas of expertise



From education to research

LUT offers an entire range of services related to the development of expertise, starting from education and ending in specialised research projects in different fields. The research projects are conducted either in one of our research institutes specialised in the given field, or in LUT faculties.

Northern Dimension Research Centre NORDI

The Northern Dimension Research Centre NORDI is an institute that coordinates research and operations involving Russia at LUT.

NORDI combines the academic perspective with expertise in business and industry. The main goal of NORDI is continuously to provide high-level multidisciplinary research which focuses on technology and business in Russia and the EU. In keeping with academic tradition, research at NORDI aims for publication in top international scientific journals. NORDI links the faculties and research units of Lappeenranta University of Technology to conduct interdisciplinary research. NORDI also collaborates with other universities and research institutes in Finland and abroad with the aim to combine forces with their top researchers and research communities.



“ Our speciality in LUT is to build “the bridge of knowledge” between the EU and Russia.

Minna Martikainen

VICE-RECTOR FOR INTERNATIONAL AFFAIRS
PROFESSOR, FINANCE

The geographic focus of NORDI's research is on North-West Russia and the EU. NORDI's research projects have resulted in a number of publications for different industry sectors, e.g. studies on Russian economic development and industry clusters, transit traffic through Finland to Russia, and the automotive industry, software production and the food industry in Russia.

Research examples

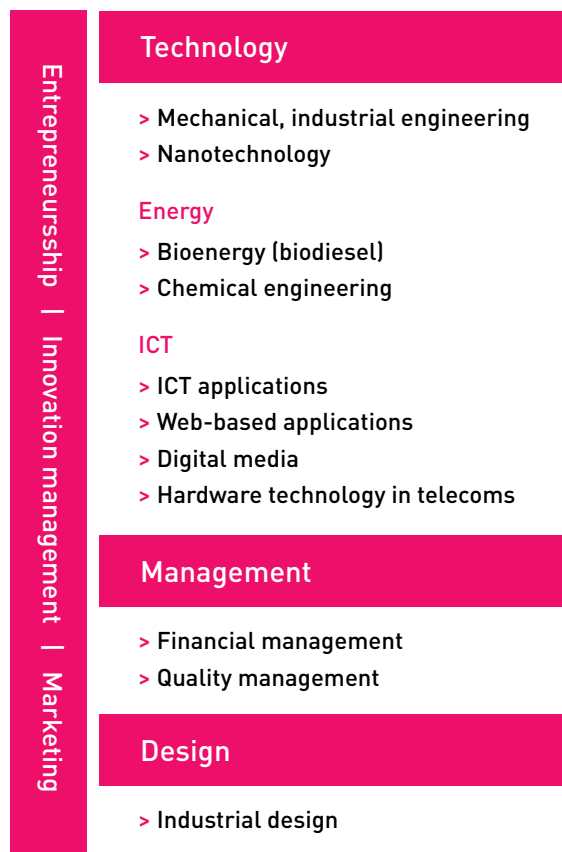
The following examples give an impression of how our research projects in different fields are linked to our expertise in Russian markets.

- > Knowledge management in Russia, Finland and China – awareness of knowledge management, knowledge management practices and their impact on performance
- > Effects of the global integration process on emerging market finance
- > The next generation of welfare services and technologies
- > Study of cargo flows in the Gulf of Finland in emergency situations (STOCA)
- > Development of new materials and welding technology for an arctic low-temperature (-60 C°) environment (AdAMS)

Value adding networks in Russia related cooperation

LUT promotes Russia related cooperation by coordinating an open network society and the Northern Dimension Institute NDI, and by playing an active role in the Finnish-Russian Innovation University FRIU alliance.

FRIU. Scientific areas.



Finnish-Russian Innovation University FRIU

The Finnish-Russian Innovation University FRIU is an alliance between Finnish and Russian universities. FRIU provides a stable, yet dynamic framework for state-of-the-art research and education by combining technology, business studies and design. The established university alliance:

- > promotes research in the fields of technology, business studies and design, which support the initiatives of the Finnish and Russian Innovation Policy.
- > coordinates cooperation between Russia and Finland, and consequently develops and enhances research and educational activities within the joint organization.
- > aims to create a link between the EU, Finland and Russia for collaboration between the universities and other organizations related to the research activities

The FRIU connects Finnish and Russian universities to conduct high-level research following the open innovation approach applied by universities and other organizations in the EU.

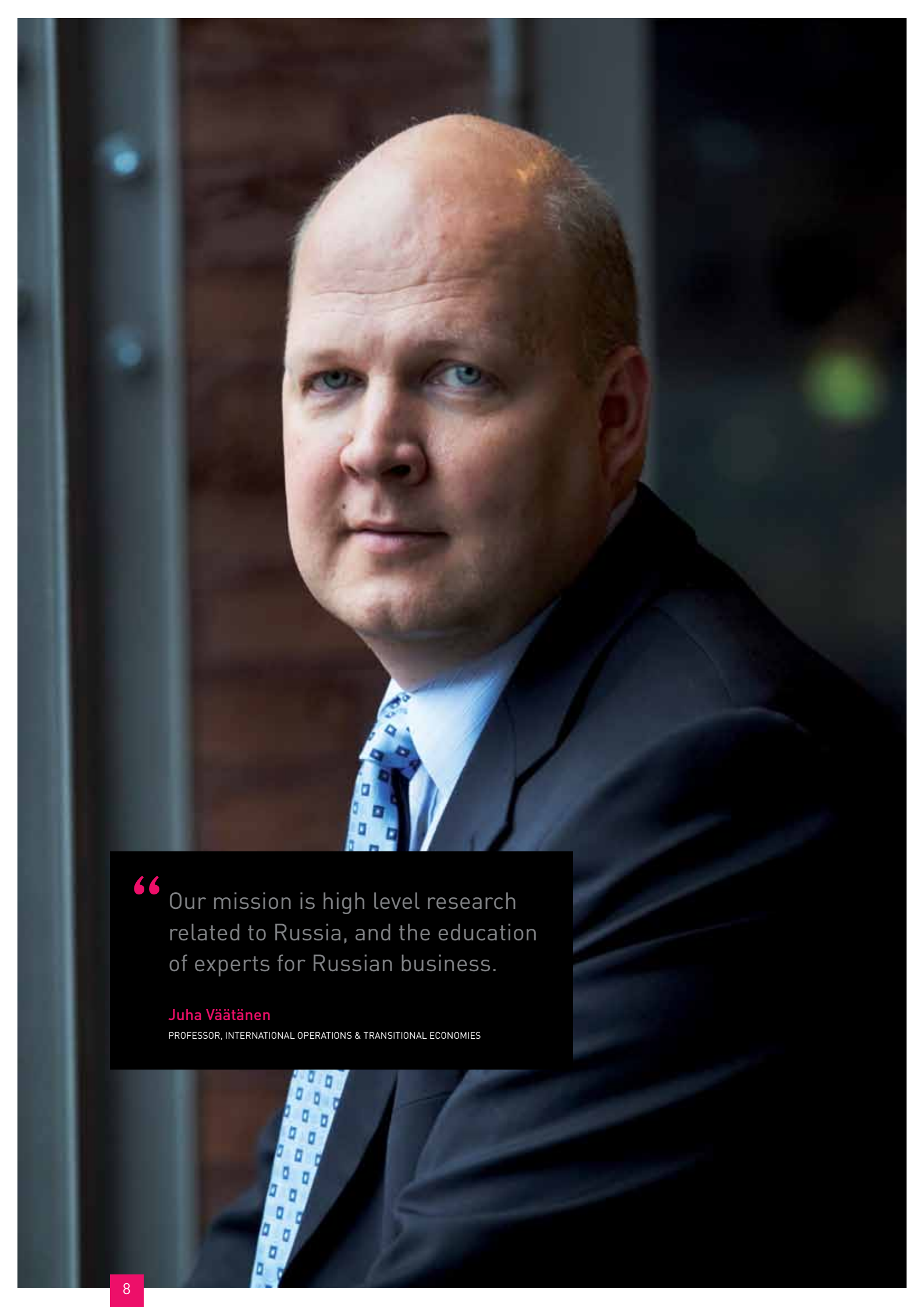
The Northern Dimension Institute NDI

The Northern Dimension Institute NDI is an open network community of universities and research institutes combining expertise mainly following the priority sectors of Northern Dimension Cooperation.

The activities of NDI aim at providing high-quality research, and later also higher level education in the fields of energy and the environment, public health and social well-being, transport and logistics, as well as culture.

The purpose of NDI is to bridge the gap between universities and policy-makers, and promote knowledge and welfare in the EU, especially in the Northern Dimension area (ND).

NDI also connects the private sector to the development of the ND policy through common activities, for example by working in cooperation with the Northern Dimension Business Council (NDBC). Moreover, NDI acts as a content provider for the implementation and development of the EU's Northern Dimension Cooperation. As a whole, NDI conducts demand-driven academic and applied research in the priority sectors of the ND policy based on the needs of policy-makers, academia, business and non-governmental institutions. NDI disseminates and promotes ND related information and expertise by acting as an academic forum supporting and complementing the ND Structures.

A portrait of a middle-aged man with a receding hairline, wearing a dark suit, a light blue shirt, and a patterned tie. He is looking slightly to the left of the camera with a neutral expression. The background is dark and out of focus, with some blurred lights.

“ Our mission is high level research related to Russia, and the education of experts for Russian business.

Juha Väättä

PROFESSOR, INTERNATIONAL OPERATIONS & TRANSITIONAL ECONOMIES

International Master's programmes at LUT

LUT educates students in nine different Master's programmes, specialising also in the challenges of working in different environments and combining the cultural differences of two economic areas. These programmes offer most students double degrees from Russian partner universities and LUT. All of the programmes also include a large number of students of Russian origin.

Master of Science in Technology M.Sc. (Tech.)

Faculty of Technology

Chemical and Process Engineering

– Innovative Process and Product Engineering (IPPE)

The major subject of the Chemical and Process Engineering Programme is Sustainable Process Engineering. It includes courses on product, process and plant design.

Energy Technology

The Degree Programme in Energy Technology offers advanced energy studies in five different major subjects: Bioenergy Technology, Environmental Energy, Industrial Electronics, Electricity Distribution and Market and Nuclear Energy Engineering.

Mechanical Engineering

In the Degree Programme in Mechanical Engineering, students can choose between two major subjects: Design and Manufacturing and Packaging Technology.

Technomathematics and Physics

The Degree Programme in Technomathematics and Physics offers two major subjects: Technomathematics and Technical Physics.

Faculty of Technology Management

Information Technology

The Degree Programme in Information Technology consists of three major subjects: Communications Software, Intelligent Computing and Software Engineering.

Global management of innovation and technology

The major subject Global Management of Innovation and Technology combines international studies in engineering and business.

Master of Science in Economics and Business Administration M.Sc. (Econ. & Bus. Admin.)

School of Business

International Technology and Innovation Management (MITIM) – Double Degree


The Master's programme gives future managers the analytical and managerial skills necessary to succeed in the international business of technology and innovations. The programme is coproduced with St. Petersburg Graduate School of Management (GSOM).

International Marketing Management (MIMM)

The Master's programme focuses especially on the management of global knowledge intensive innovation activities from the marketing perspective.

Strategic Finance (MSF)

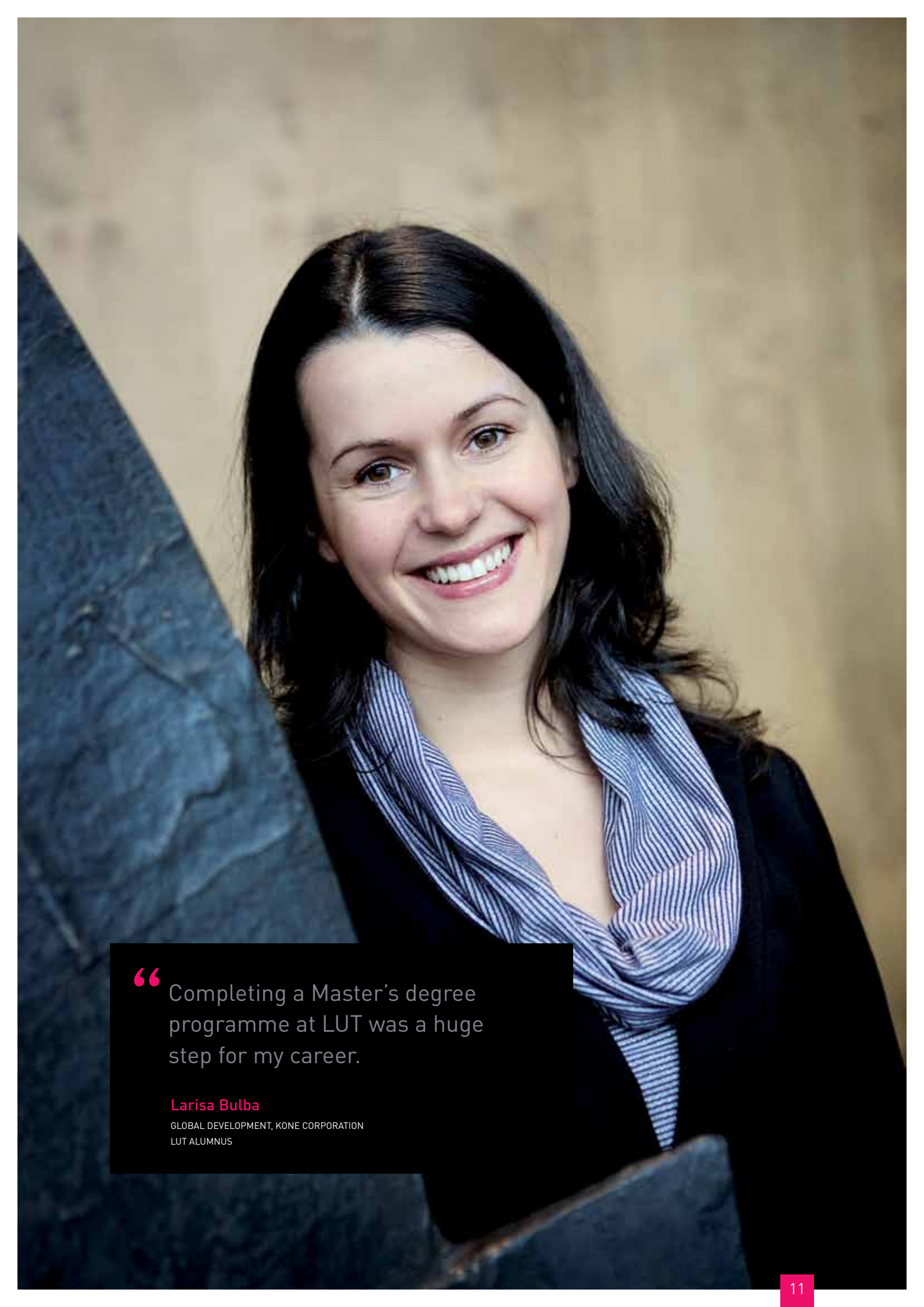
The Master's programme integrates corporate finance, strategic research and the specifics of international financial markets.



“ LUT is the best choice of education for me and gives me the confidence to compete on the international business arena.

Xing Shi

CEO OF EASY CHINA LTD.
LUT ALUMNUS, DOCTORAL STUDENT

A portrait of Larisa Bulba, a woman with long dark hair, smiling and wearing a blue and white striped scarf and a dark jacket. The background is a textured, light-colored wall.

“ Completing a Master’s degree programme at LUT was a huge step for my career.

Larisa Bulba

GLOBAL DEVELOPMENT, KONE CORPORATION
LUT ALUMNUS



Open your mind. LUT.
Lappeenranta **University of Technology**

Minna Martikainen

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