

A black and white photograph of a modern building's glass facade. The image shows a close-up of the glass panels, which are separated by dark frames. The glass reflects the sky and other parts of the building, creating a complex pattern of lines and reflections. In the center of the image, there is a large, white, geometric logo that resembles a stylized letter 'A' or a triangle with a smaller triangle inside it. Below the logo, the word "architects" is written in a bold, white, sans-serif font.

architects

SUCCESSFUL EXPERIENCE.

GREEN BUILDING CERTIFICATIONS.



arkkitehdit

29.7.2013 Helsinki 2

L ARCHITECTS

- Personnel 55
- Founded 1993
- Turnover 5.0 M€
- Location Helsinki

Group Executive Management:

Robert
Trapp



CEO, partner

Harri
Koskinen



Executive director,
partner

Harri
Salminen



Partner

Niklas
Sucksdorff



Chairman of Board, Senior Adviser,
partner

Pekka
Piha



Senior Adviser,
partner

Advisory Group:

Jari
Lonka



Urban Planning

Katia
Salo



Development
Manager

Daniela
Grotenfelt



Sustainability



L ARCHITECTS LTD

- Expertise:

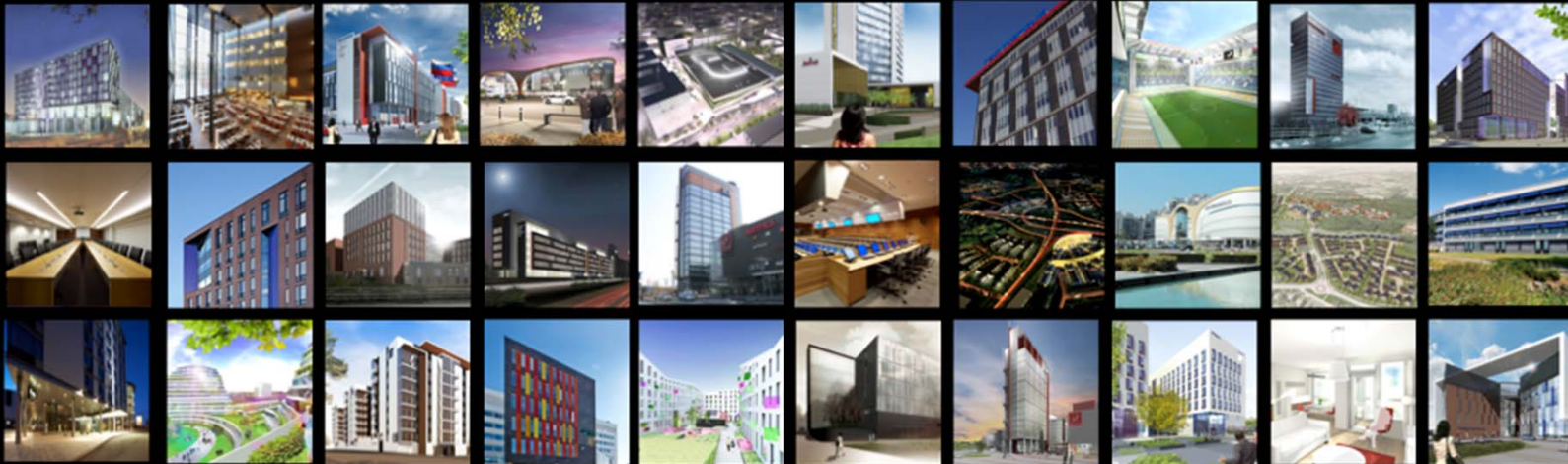
- offices, shopping centers, residential, hotels, urban planning, leisure facilities, sustainability

- Focus on Russia:

- 30% of projects in Russia
- SRO member since 2013

- Key projects:

Nokia NSN Headquarters, Panorama Tower Helsinki, Skanska Finland Headquarters, Herttoniemi masterplan, European Chemical Agency interior design, Technopolis Pulkovo, Pearl Plaza Saint Petersburg



SUSTAINABILITY SERVICES

- Services:

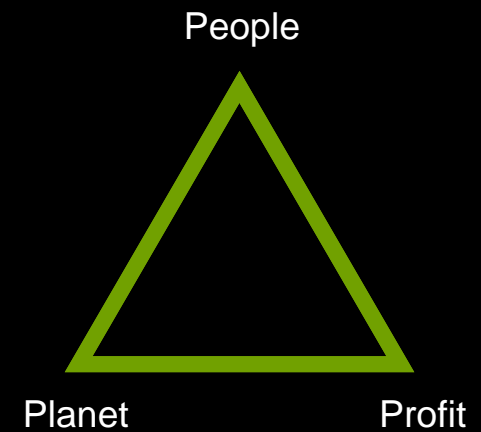
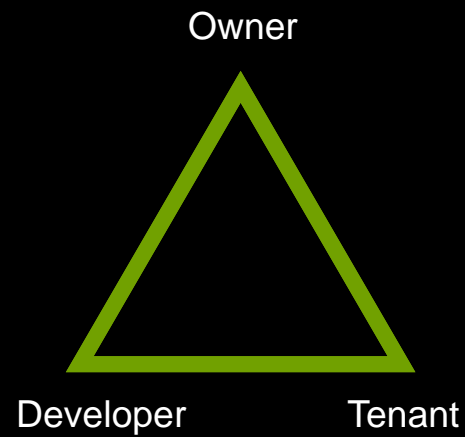
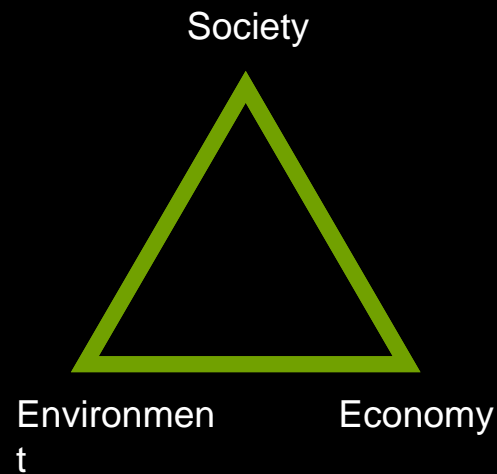
- Sustainable Concepts and Design
- Certification Services: LEED and BREEAM
 - Consultancy as independent assessor or integrated in L Architects architectural design
 - Customized trainings in LEED and BREEAM
 - Assisting client's process or product development to comply with sustainability, LEED and BREEAM requirements
- Life-Cycle Assessments
- Energy Assessments

- Expertise and Competence:

- Our Experts have experience from over 40 project targeting a certification
- Our Designers have experience from a vast range of certification projects
- Actively involved in the field of green building: membership in USGBC, FiGBC, (RuGBC under process)



WHAT IS A GREEN BUILDING?



CERTIFICATION TARGETS

- Certification includes benefits for users, owners and investors
- Provides a trustworthy third-party verification of environmental efficiency
- Can be seen as a form of "Due Diligence" Analysis
- Enables measuring and comparison of building efficiency
- One step ahead- Tighter requirements than legislation
- Challenges the construction industry to develop new green innovations
- Functions as a steering tool and brings good practice to all stages of a building project
- Supports organizations corporate responsibility programmes



CERTIFICATION SYSTEMS



breeam



CASBEE™

greenstar

LEED AND BREEAM?



LEED certified/registered project
BREEAM certified project

Source: LEED and BREEAM online databases 14.2.2014

CONCRETE MEASURES

- What we work with on every project:
 - Water fixture efficiency
 - Controllability of systems
 - Ventilation optimization
 - Low-emitting and healthier materials
 - Materials with low environmental impact (local, recycled)
 - Optimizing building energy use
 - Optimizing Building User Comfort through e.g. indoor air quality, daylight, green areas
 - Construction work pollution prevention and construction waste recycling





ALBERGAN SOLA

LEED CORE AND SHELL



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ALBERGAN SOLA

Lujatalo Oy Toimistokeskus, 23 000 brm² Espoo, Leppävaara, valmistunut 2012



SOLA

Schneider
Electric
ADITRO
Lujataalo Oy
Lujabetoni
KSCON

ALBERGAN SOLA

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Lujataalo Oy Toimistokeskus, 23 000 brm² Espoo, Leppävaara, valmistunut 2012

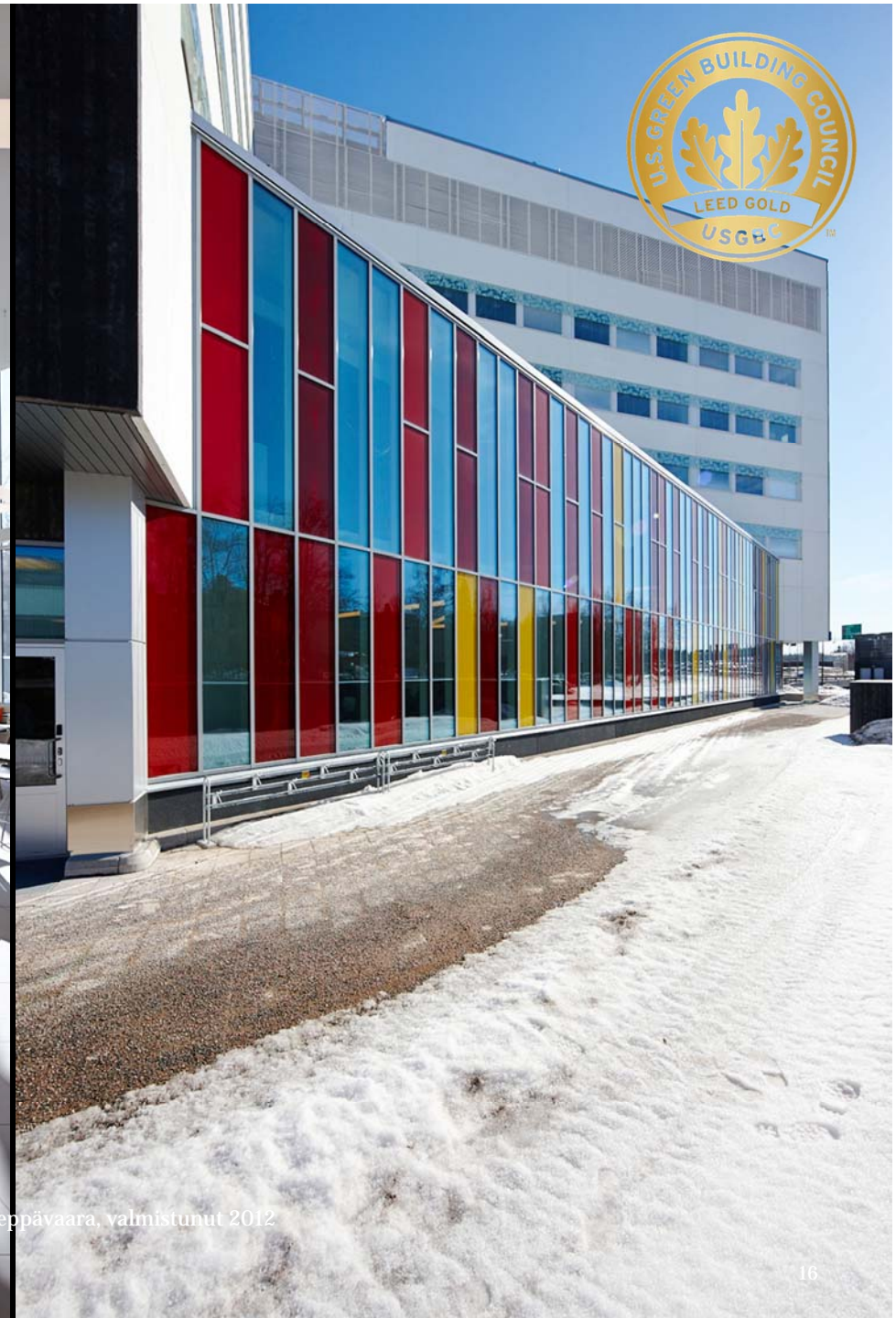


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ALBERGAN SOLA

Lujätalo Oy Toimistokeskus, 23 000 brm² Espoo, Leppävaara, valmistunut 2012







Estimation of SOLA Business Center LEED achievements:

34% reduction of water use

Equivalent to saving 1,5 Olympic swimming pools of water per year*

29% reduction of energy use

Equivalent to saving 100.000 € per year*

* Compared to LEED baseline, rating per ASHRAE Standard 90.1-2007

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EIGHT EDGES

LEED CORE AND SHELL





TECHNOPOLIS PULKOVVO

LEED CORE AND SHELL

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TECHNOPOLIS PULKOVO

Pietari, Venäjä, 1. vaihe valmistunut 2010, 2. vaihe valmistuu 2013



TECHNOPOLIS PULKOVO
arkkitehdit Pietari, Venäjä, 1. vaihe valmistunut 2010, 2. vaihe valmistuu 2013

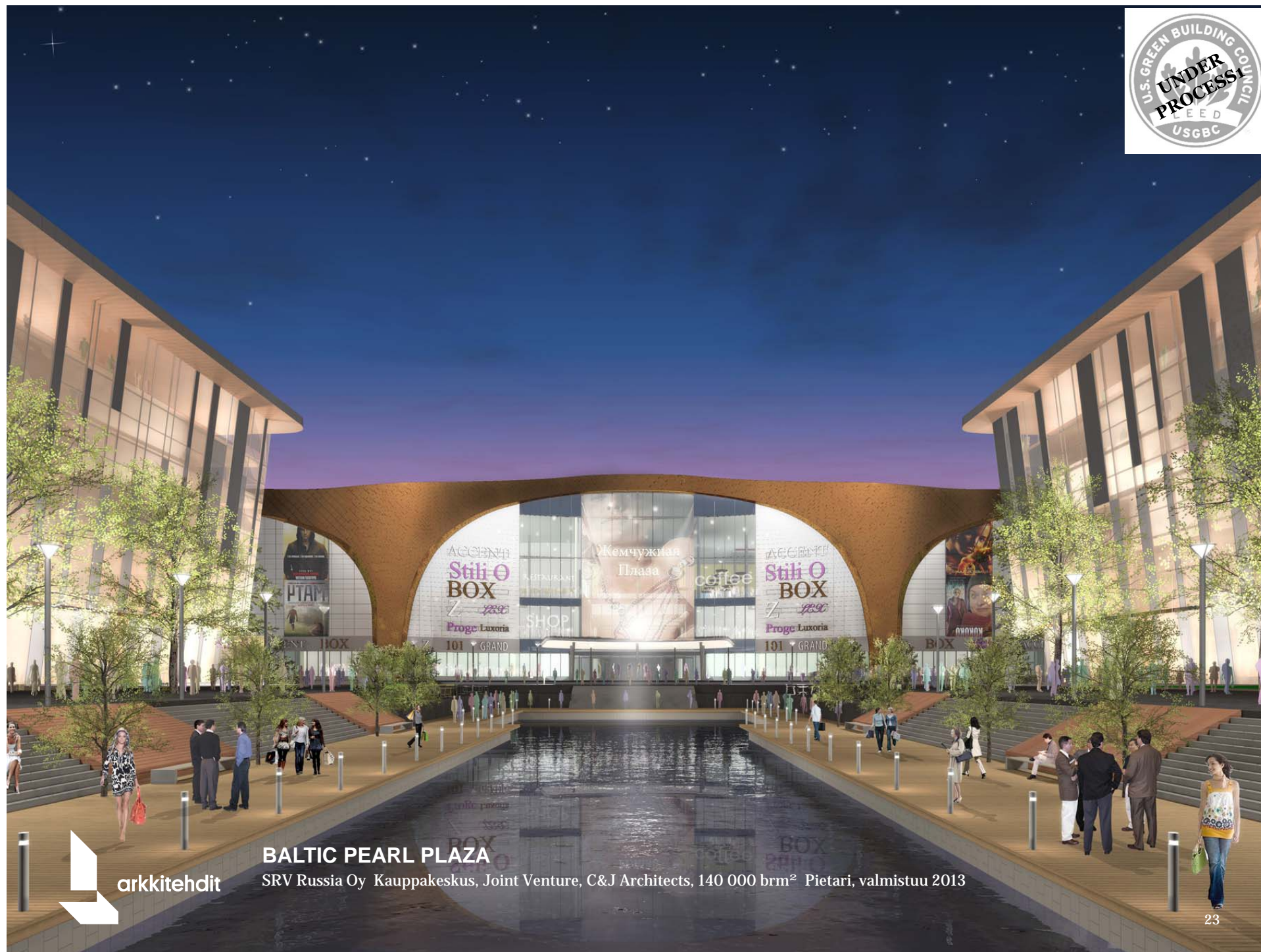


BALTIC PEARL PLAZA

LEED CORE AND SHELL



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BALTIC PEARL PLAZA

SRV Russia Oy Kauppakeskus, Joint Venture, C&J Architects, 140 000 brm² Pietari, valmistuu 2013



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BALTIC PEARL

supp...s, Joint Venture, C&J Architects, 140 000 brm² Pietari, valmistuu 2013



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BALTIC PEARL PLAZA

SRV Russia Oy, Kauppakeskus, Joint Venture, C&J Architects, 140 000 brm² Pietari, valmistuu 2013



Preliminary estimation of Pearl Plaza shopping center LEED achievements:

35% reduction of water use

Equivalent to saving 7 Olympic swimming pools of water per year*

19% reduction of energy use

Equivalent to saving 700.000 € (or 31,5 M Russian Ruble) per year*

* Compared to LEED baseline, rating per ASHRAE Standard 90.1-2007

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OKHTA MALL

LEED CORE AND SHELL



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21.8.2013-ark



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OXTA MALL

SRV Russia Oy Kauppakeskus, 145 000 brm² Pietari, valmistuu 2015

21.8.2013-arkkitechdit



SRV Development
Shopping centre 145 000 m²
St. Petersburg, to be completed 2016

BOLSHEOKHTINSKY BRIDGE

KOMAROVSKY BRIDGE

YAKORNAYA ULITSA

CITY CENTER

OKHTA MALL

PROSPEKT SHAUMYANA

PROSPEKT METALLISTOV

MAGNITOGORSKAYA ULITSA

POMYALOVSKOGO UL. BRIDGE

SHAUMYANA BRIDGE



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SRV Development
Shopping centre 145 000 m²
St. Petersburg, to be completed 2016

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MEASURABLE SUCCESS

- Measurable Success
 - Energy Savings
 - Water Savings
 - Easier to Sell and Rent
 - Investment value retention
 - Competitive Edge
 - Corporate Image and Responsibility
- Concrete Successes in e.g. Construction Processes (RU&FI)
 - Waste Recycling %
 - Construction Site Pollution Prevention
 - Technical Commissioning



UNMEASURABLE SUCCESS

GREEN BUILDING CERTIFICATIONS:

- Provoke Construction Industry to Rethink their “Business as Usual”
- Pushes Sustainability beyond energy efficiency
- But above all means that:

We can be proud of the work we do

Our clients can be proud of the spaces and places they occupy





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