



Энергоэффективные решения и использование возобновляемых источников энергии в Калининградской области
Energieeffiziente Lösungen und Nutzung erneuerbarer Energiequellen im Gebiet Kaliningrad

Пилотный проект по модернизации уличного освещения пос. Луговое, финансируемый ЕС в рамках проекта RENSOL

Pilotprojekt zur Modernisierung der Straßenbeleuchtung in Lugowoe im Rahmen des EU-finanzierten Projektes RENSOL

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Партнеры / Partner

Ведущий партнер: Балтийский Форум Развития

Партнеры:

- Технологический университет города Лаппеенранты/Институт Северного Измерения (Финляндия),
- Муниципалитет города Оскаршамн (Швеция)/Энергетическая комиссия Союза Балтийских городов,
- «Экологический центр «ЕКАТ - Калининград» (Россия),
- Калининградская торгово-промышленная палата (Россия), БФУ им. И. Канта (Россия) и
- Информационное Бюро Совета министров Северных стран в Калининграде

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Führender Partner: Baltisches Entwicklungsforum

Partner:

- Technologische Universität Lappeenranta/Institut der nördlichen Dimension (Finnland),
- Stadtverwaltung Oskarshamn (Sweden)/Energiekommission des Ostseebundes,
- EKAT Kaliningrad (Russland),
- IHK Kaliningrad (Russland), Kant-Universität (Russland) und
- Informationsbüro des Ostseerates in Kaliningradngrade



Задачи проекта /Projektziele

- повышение осведомленности по вопросам энергоэффективности и применения ВИЭ,
- накопление и распространение знаний, применение энергоэффективных решений и демонстрация их преимуществ,
- внедрение энергетических стандартов как основы эффективного энергоменеджмента,
- использование механизмов финансирования для широкого внедрения энергетических решений,
- разработка предложений по распространению результатов Проекта на другие регионы Северо-Запада
- Erhöhung des Bildungsstandes in Fragen der Energieeffizienz und Anwendung der erneuerbaren Energien,
- Erfahrungssammlung und –verbreitung, Anwendung energieeffizienter Lösungen und Demonstration der Vorteile,
- Einführung energetischer Standards als Basis für Energiemanagement,
- Nutzung der Finanzierungsmechanismen für breite Anwendung energetischer Lösungen,
- Erarbeitung der Vorschläge zur Verbreitung der Projektergebnisse in andere Nordwest-Regionen Russlands.

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22 мая 2014 года в пос. Луговое состоялось открытие парка солнечных панелей. На крыше здания администрации территориального управления, установлены 10 светодиодных светильников по 120 Вт, запитанных от 20 солнечных кремниевых панелей по 250 Вт каждая, и 8 аккумуляторов (250 А/час), система оборудована инвертором мощностью 5 кВт. Также 10 светодиодных светильников установлены на здании детского сада



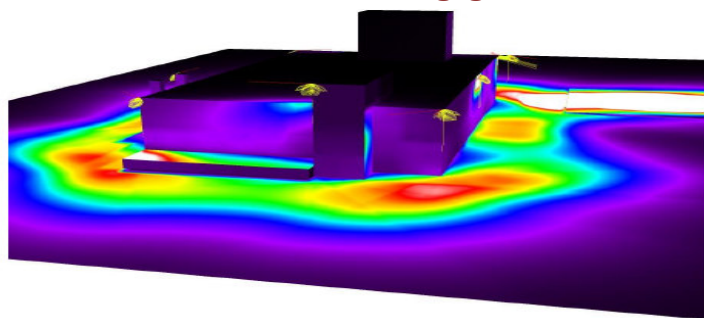
Am 22.Mai 2014 wurde der Photovoltaikpark in Lugowoe eröffnet. Auf dem Dach des Verwaltungsgebäudes wurden 10 LED-Leuchten je 120 Wt installiert, die an 20 Paneele angeschlossen sind.

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**Модель системы наружного
светодиодного освещения здания
администрации**

**Modell des Beleuchtungssystems für das
Verwaltungsgebäude**



Das Beleuchtungssystem von C2 SmartLight (Finnland) ist sehr einfach, läuft automatisch.

Система освещения очень проста в эксплуатации и не требует вмешательства человека, так как оснащена «умной системой освещения» финской компании C2 SmartLight и является полностью автоматизированной.



Компания Кауко Марккинат (Финляндия)
 Выиграла международный тендер, проведенный в
 Копенгагене в 2013 году.
 В тендере также приняли участие компании Siemens
 и Schneider.

**Firma Kauko Markkinat (Finland) gewann den
 internationalen Tender in Kopenhagen in 2013. Im
 Tender haben Siemens und Schneider
 teilgenommen.**



Компания Кауко Марккинат (Финляндия) работает с крупными компаниями - производителями энергоэффективного оборудования уличного освещения:

C2 Smart light

SMA Hoppecker

Firma Kauko Markkinat (Finnland) arbeitet mit großen Herstellern der energieeffizienten Ausrüstungen für Straßenbeleuchtung:

C2 Smart light

SMA Hoppecker

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Подобные системы освещения тех же марок устроены в Финляндии в городах: Тампере, Ювяскюля, Вантаа, Васа.

Также парк солнечных панелей установлен на территории технического университета Лаппеенранты
Ähnliche Beleuchtungssysteme der gleichen Marken sind in Städten Finnlands installiert: Tampere, Juvaskula, Vantaa und Vasa.

Ein Sonnenkollektorpark ist auf dem Gelände der Technischen Universität Lappeenranta installiert.

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**Пилотный проект- энергоэффективное
освещение здания администрации
Луговского территориального
управления
(фото: день/ночь до реализации
проектных мероприятий)**

**Ein Pilotprojekt – energieeffiziente
Beleuchtung des
Verwaltungsgebäudes in Lugowoe
(Fotos Tag/Nacht vor der
Projektrealisierung)**



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**«Умная» система уличного освещения в
пос.Луговое**

„Kluges“ Beleuchtungssystem in Lugowoe



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Умная система освещения (фото: ночь – до и после)
„Kluges“ Beleuchtungssystem (Foto: Nacht – vor und nach)



Освещение положительного опыта пос. Луговое в СМИ
Darstellung der positiven Erfahrung aus Lugowoe in
Massenmedien



Join Open Discussion on Energy Efficiency

MAY 14, 2014

The project RENSOL is approaching its closing phase that we will highlight by organizing a number of activities in the margins of the **Turku Baltic Sea Days** on 1-5 June 2014 and **EU-Russia Innovation Forum: Green Growth Economy** on 4-6 June in Lappeenranta, Finland. Closing phase implies assessment process, and hence Baltic Development Forum is planning to elaborate a short evaluation report that will be based on some research and analysis of the project deliverables, interviews with the project stakeholders and summary of lessons learnt. The report will emphasize on the extend to which the project has managed to deliver on overall and specific objectives, engaged the project target group and delivered on expected outputs.

The evaluation of the project will also include arrangements of open discussion. In the margins of the **XII Baltic Sea NGO Forum** in Turku we will have dialogue with the relevant stakeholders on the lessons learnt and the way ahead. **Join our discussion on 3 June 09.00 – 10.30 at the Break Sokos Hotel Caribia in Turku.**

Furthermore, the project will be presented on another regional platform, in particular the **16th Baltic Development Forum Summit** and the **5th Annual Forum for the EU Strategy for the Baltic Sea Region** on 3-4 June in Turku. The project representative will get an opportunity to speak on behalf of project at the break-out session on 3 June at 14.00 on "Smart Solutions for Smart Cities", organized by Baltic Development Forum. Multi-level governance issues, multi-stakeholder process will be the issues for debating at the session and we are happy to provide our insights and observations from the project implementation process.

In addition, in view of the upcoming discussion on the **EU-Russia Innovation Forum** in Lappeenranta we will present the project as an interesting example of regional collaboration in close cooperation with the Russian partners. By taking part at the Exhibition we will share the knowledge and our experiences from the Project and meet other relevant stakeholders closely working across borders. On 5th June Baltic Development Forum will speak at the session on **Energy Efficiency** on behalf of the project. The debate will focus on the current trends and driving forces for energy efficiency actions as well on the benefits of introducing EE solutions into the building sector.

In the margins of above mentioned regional events the project partners will get a chance to meet and discuss the current status of the system and their feedback how we can make the project more...

Updates on the operational side of the project:

The installation of innovative energy saving equipment is coming to an end in pilot Lugovoye community (Gorevsky City District, Kaliningrad region). As for today, 20 solar panels with capacity 250 W are installed on the roof of building of Lugovoye administration. The solar panels are feeding 10 LED lighting elements located around the perimeter of the building. The innovative street lighting system is equipped with an inverter (3kW) and 8 accumulators (5W and 230 degree per hour). The system is controlled by a smart light administration tool, which allows to control the process and to accumulate data about the lighting parameters. The lighting system would illuminate the sports ground located nearby and a part of municipal road.

During this week 10 LED lamps would be installed around the perimeter of the building of the kindergarten of Lugovoye community. The lighting system would be fed from the local electric grid. The system will be equipped by automatic control tool.

All the equipment was delivered by Kaukomarkkinät Oy (Finland) and the installation was carried by AES-Center (Russia).

The picture is taken from the web-site of company – assembling the street lighting system AES-Center (<http://www.aes-center.ru/>).

If you are planning to participate at the open discussion, please contact Viktoria Nilsson via vm@bdforum.org or via +45 60 21 85 89

Staying connected with Baltic Development Forum

Baltic Development Forum is an active organization and thus offers many ways to keep you updated on the latest news. Feel free to use each or several of the options depicted below and always let us know if you feel there is something else we could do to ensure a more rich communication between you and us. Keep in touch via:

Related Posts:

- Call for nominations for the Baltic Sea Award 2014
- Cool North – Cultural Diplomacy in the Nordics, 8-9 September 2014, Copenhagen
- Invest in the Baltic Sea Region – Investment Promotion Agencies Forum 2014
- Highlights from the 16th BDF Summit and 5th Annual Forum of the EUSBSR, 3-4 June
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Спасибо за внимание!
Danke für Ihre Aufmerksamkeit!



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