



To answer M10 saturation, NWCC realises the 1st section of «M11 Capital» (Moscow – St-Petersburg) respecting international standards



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» **Issues on Infrastructure projects**

- » Infrastructure projects request an increasing participation of private company earlier in the Project
- » More and more oppositions to infrastructure projects, from environmental to citizens
- » These impact projects with delays & additional costs to the detriment of the country development

» **VINCI Concessions commitments**

VINCI Concessions addresses this issue through an innovative approach included in its Construction-Concession Service for evaluation, reduction, mitigation, and adaptation of its activities to reduce its print on the environment:

- » At the Project Optimization stage (before start of construction), the environmental plan details several measures aimed at minimizing the print to the environment, both during construction & operation phases
- » As part of its commitments under Concession Agreement and in accordance with European practice & sustainable development policy of VINCI group, we maintain an open and constructive dialogue with the stakeholders of the Project to further improve it
- » VINCI Concessions intends to commit a step further for mitigation of the impact of its activities on populations, biodiversity, climate, water, and / or forest degradation

» Project genesis:

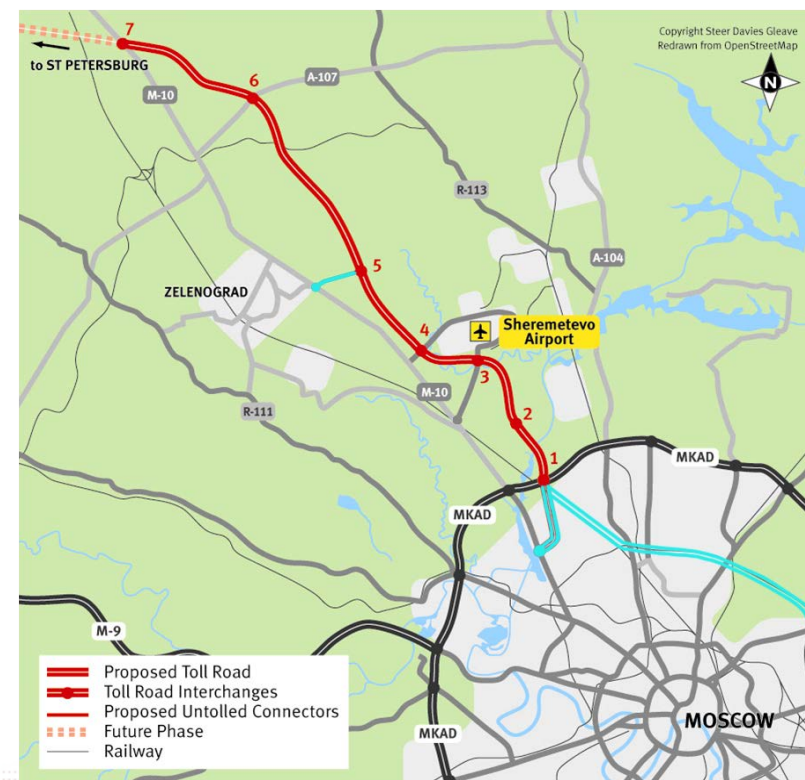
- » **1971 – 2007, gestation phase:** Project included in State Planning, project elaboration, public information, State expertise
- » **22 Sept. 2006:** protocol for a strategic partnership
- » **2007 – Avr. 2010, tender phase:** tender, Concession Contract (Jul. 2009), financial close & Credit Agreement (Avr. 2010)
- » **May – Dec. 2010, civil protests:** protests, Public hearings, commission recommending environmental measures
- » **Jan. – Aug. 2011, preparatory phase:** land plots preparation & transfer, Construction Permit, Construction Commencement
- » **From Sept. 2011, construction phase**
- » **From summer 2014, operation phase**

» Project financing

- » **State Investment Fund:** RUB 22.85 billion
- » **Sponsors equity:** around RUB 8 billion
- » **Long term debt:** up to RUB 29.2 billion by VneshEconombank and Sberbank
- » **Project Bonds (19 Oct. 2011):** RUB 10 billion, subscribed by Russian pension funds under State guarantee

» Technical aspects:

- » Circulation maximum design speed : 150 km/h
- » 10 lanes (2*5) till interchange 5
- » 8 lanes (2*4) from interchange 5
- » Lanes of 3.75 m width
- » 38 bridges and overpasses



» Strategic objectives

- » Develop the transport axis between the 2 capitals and main activity areas in the country
- » Integrate the 2 capitals into the international transport route corridor
- » Develop the Cheremetievo international airport, « shortening » its distance to Moscow
- » Improve local liaisons in North-West Moscow as an alternative to the saturated existing M10 (max capacity = 40,000 vpd, actual traffic = 134,000 vpd)
- » Apply VINCI Concessions technical knowledge & sustainable development practices to build the 1st road in Russia of European level

» Key elements

- » 1st concession and 1st toll road in Russia
- » Create a precedent for Public-Private Partnership (“PPP”) scheme built on foreign investments
- » Integrated model Building - Concession newly implemented for developing & realising infrastructures projects in Russia
- » Environmental & social commitment prevails, including an innovative ecosystem improvement program
- » Establishing a long term partnership with the Russian Authorities

» M11 Capital Environmental Concerns

- » M11 Capital indeed affects environment, including Khimki forest for 95 ha cut out of 1,168 ha, among which Oaks cutting represents 2.2 ha (i.e. 7% of total Oak Grove surface)
- » Current state of Khimki forest raises concerns by itself with illegal dumps, sick & dead trees, garbage all around (including at St. George spring)
- » Independent & international specialist (ERM) realized a Project audit complying to international financing organizations requirements
- » The uniqueness of M11 Capital Project lies in the early inclusion (at design stage) of environmental measures (protection & compensatory) complying with European practice for implementation of major infrastructure projects

» M11 Capital Environmental Plan

An Environmental & Social Action Plan («ESAP») is thus developed with measures to prevent, minimize, & compensate adverse environmental impacts during construction & operation of the highway, with associated monitoring & control, compliant to VINCI Concessions commitments

» **Construction:**

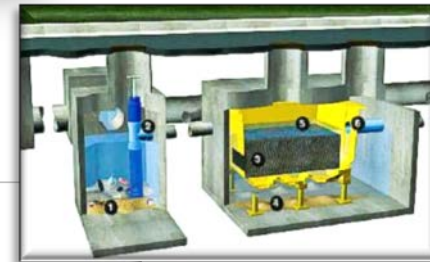
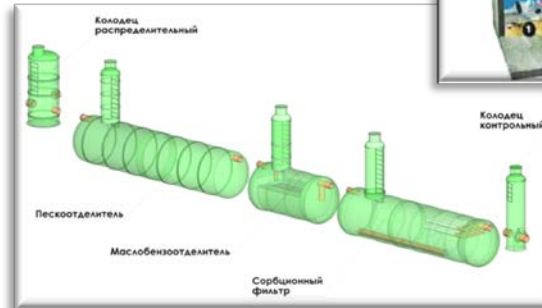
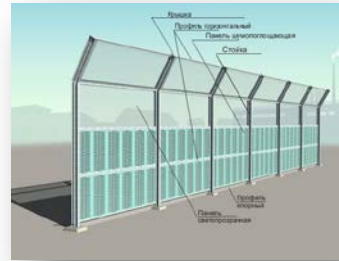
- » soil recultivation of area temporarily occupied
- » temporary filters to prevent impact on waters, working outside of spawning period, area dedicated to trucks washing, strengthening riverbanks against erosion

» **Operation:**

- » reforestation of 500 ha
- » Noise protection: 20km of 3-6 m height screens along road, green belts along populated areas
- » water collection & treatment with modern techniques: runoff & melt waters, special culverts to maintain hydro flow despite road, dedicated area for snow storage
- » wildlife protection: above & under crossings, nests, feeding

» **Evaluating, measuring, and reducing CO2 emission**

- » From original design to actual optimized design, utilizing VINCI special tool CO2ncerned, following international standards
- » **Phasing of the Project** for less energy consumption during construction and operation: lighting on Section 2 (km 29 - 58) installed at the stage of highway widening, lanes will be added as traffic increases to the approved design value
- » **Limit speed** at 120 km/h on the sensible sections in the 1st part of the highway (km 15 – 29)



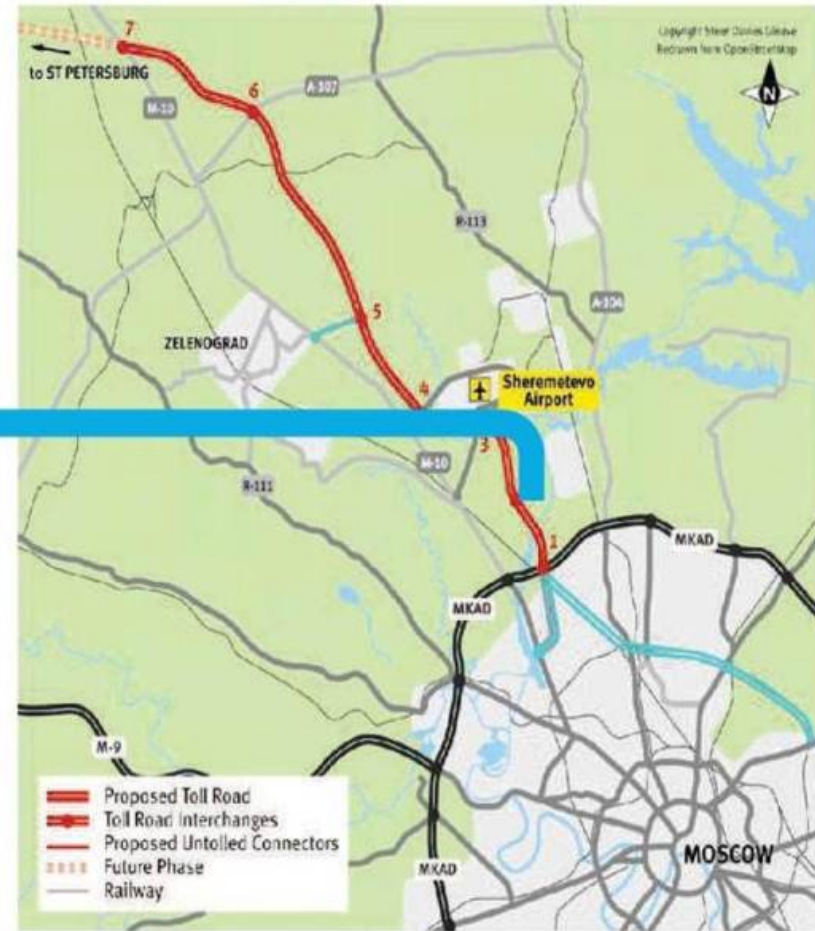
The current state of Khimki forest raises concerns: illegal dumps, sick and dead trees, garbage all around the forest and in particular at St. George spring

A lot can be done to improve the state of ecosystem of Khimki forest, in addition to the environmental measures already envisaged in the Highway construction project, and could create a best practice in Russia for conservation and regeneration of forest areas via development and implementation of the Khimki Forest Ecosystem Improvement Project with participation of local residents and general public.

The lack of public involvement at first has triggered a new movement in Russia asking for better governance and civic debate on civil society governance

The socio-environmental stake can be addressed by helping stakeholders to formalize a forum for open discussions, which would issue policies and / or recommendations.





Pur Projet is an independent international company which develops and performs forest conservation and reforestation projects in many countries of the world. The company is operating independently and exclusively in direct relationship with local communities.

Pur Projet operates as an open and neutral platform, to gain mutual benefits for all, via transparent and direct relationship with stakeholders.

Mission of Pur Projet

Act for the preservation of climate and community development through community reforestation and forest conservation projects.



Objectives

- ✓ Help companies, collectivities, and individuals to evaluate, reduce and offset their environmental footprint
- ✓ Contribute to forest preservation and reforestation via community involvement
- ✓ Preserve biodiversity and natural resources
- ✓ Promote food sovereignty and local communities empowerment
- ✓ Increase global awareness about these stakes

Means

- ✓ Offsetting of emissions, through the plantation of trees and the conservation of forests within large scale projects (300 000 hectares for forest conservation)
- ✓ Development of community reforestation and forest conservation projects, certified by third parties (CDM, VCS, CCBA, etc),

A step further with PUR PROJET Khimki Forest Ecosystem Improvement Project



- » **Objective:** involvement of local residents & stakeholders in development & realization of an Ecosystem Improvement Project, focusing on environmental issues
- » **Empowerment & ownership** by local residents & stakeholders (NGOs, Officials, Media, Public) ready to participate
- » **Improvement Project** the result from roundtables & opinions: improve soil fertility, preserve biodiversity, prevent from landslides & floods, water resources protection, study deforestation drivers & propose reforestation, forest valorization (eco-tourism, etc.)
- » **Start operational activities quickly** to show commitment



2 main orientations among stakeholders:

- a) A coalition of NGOs opposed to the highway project and to a larger extent to its policy and governance.

Their main focus is advocacy, not operational activities

- b) A forum of local NGOs in Khimki and national institutions and NGOs, who want to collaborate and develop partnerships with all stakeholders for operational activities on site.

Their main focus is operational activities, not advocacy.

It is thus intended to divide the scope and work of Khimki Forest Ecosystem Improvement Project into 3 main areas:

- a) **Scientific committee:** composed only of scientific and educative or students organizations and individuals, for scientific evidence and support to assess and arbitrate on impact as well as monitoring mitigation activities.

- a) **Khimki Green Forum:** composed of NGOs (16) present in Khimki and developing socio-economic activities.

- a) **Khimki Advocacy Forum:** open to contributions via a 2.0 web site and self animation by NGOs & individuals wishing to share and debate on governance and sustainability issues.

3 levels of tools, Click & Mortar approach

Khimki Green Forum

Head Office (Wooden House) in Khimki Forest
Office, tools, garage, small dormitory,
meeting room, waiting room.

Webpages to describe mission, governance and activities

Scientific Committee

Regular meetings with Khimki Green Forum
Monitoring missions on site
Scientific studies and Research
Public Events and publications

Webpages to publish scientific feedback / proofs

Khimki Advocacy Forum

Web Forum, Conferences, and lobbying campaigns
Webpages 2.0, open blogs

*: All activities are subject to discussion and application under the authority of the Initiative Group, i.e. local residents and NGOs.

Khimki Forest Ecosystem Improvement Project - Initiative Group
 Development of a master plan of activities, following:
 a) reports of Experts
 b) community interviews
 c) questionnaires

Activities

Debate & Recommendations

Khimki Green Forum (16 NGOs)
 Selected Activities Working as a platform of operators to protect & improve.

Khimki Advocacy Forum
Advocacy and coordination with local & national Authorities
 Capacity building
 Advocacy on Public involvement
 Issues and proposed solutions
 Discussed within advocacy forum

- NGO Coalition (7 NGOs)**
 Forest Institute
 Druzhinas Students Corps
 Solnechnogorsk Committee
 Odintsovo Committee
 Transparent World
 Birds Conservation Union
 Komi Model Forest
 WWF Russia
 IUCN

Scientific Review
Scientific Committee
 Development of best practice for forest conservation and reforestation for communities & Russian forests
 participation of local residents and general public

- Khimki Green forum (16 NGOs)**
NGO Coalition (7 NGOs)
Greenpeace
Ecmoru
All Russian Society for Nature Conservation
Druzhinas Students Corps
Solnechnogorsk Committee
Odintsovo Committee

Scientific Committee

Khimki Forest Ecosystem Improvement
Composition: Local residents, organizations (schools, students, women's associations,..) and NGOs
Functions: forest activities and advocacy

Non-Governmental (Environmental) Organizations

Consultations
Technical support
Promotion
Co-financing

Pur Projet
Coordination
Capacity building
Fund raising
Assessor

Government authorities

Project approval
Assistance in realization
Khimki Municipality
Solnechnogorsk Municipality

Private partners and Organizations

Financing of the initiative
Technical support
NWCC, AVTODOR, IKEA ?(already partner of Khimki Green Forum),
other PUR PROJET's partners

➤ Key objective is involvement of local residents and stakeholders in development and realization of Khimki Forest Ecosystem Improvement Project

- Fully autonomous and decides exclusively internally activities to be developed
- It is assessed by the scientific committee giving opinions and recommendations
- The Advocacy Forum only advocates but adopts a “nose in fingers out” approach
- PUR Projet assists its coordination with stakeholders, so the Improvement project is fully given to Khimki Community management ownership





CREATING SHARED VALUE FOR ALL STAKEHOLDERS

From Khimki to the World



Khimki Forest Project

Extension to
Solnechnogorsk Forest Project

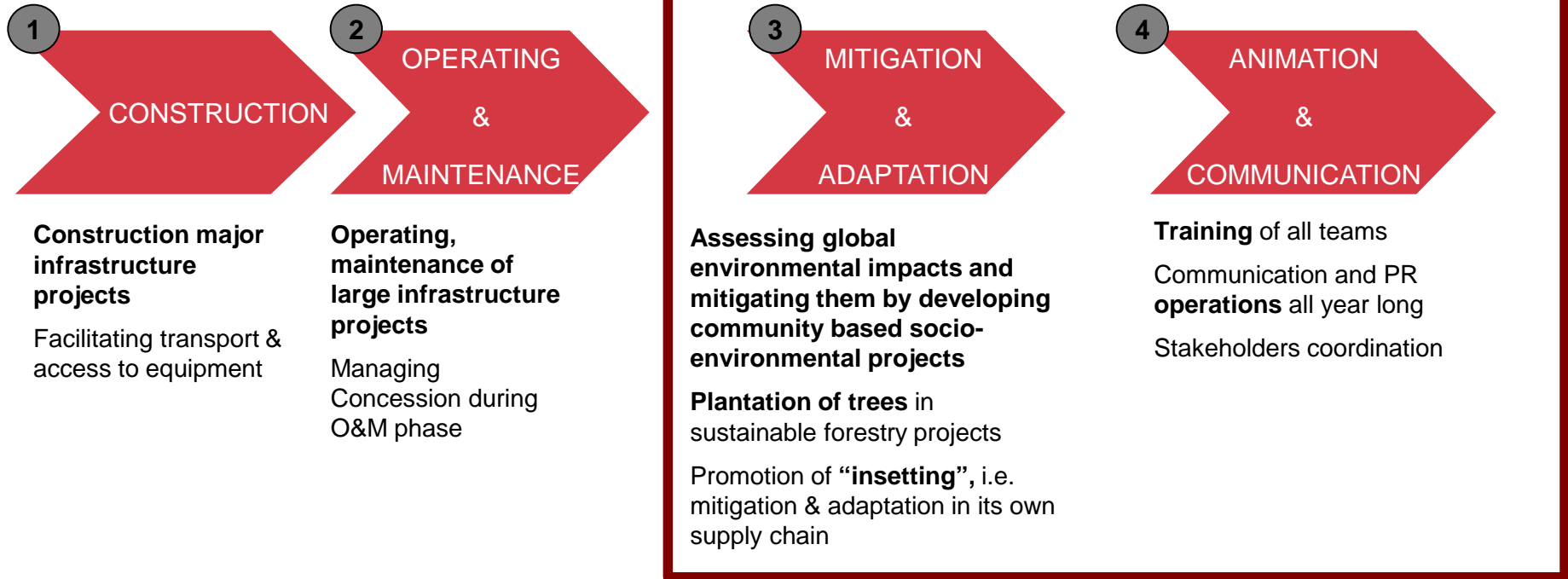
Extension to
Klin & Odintsovo Forest Project

Extension to
Moscow Green Belt

Extension to
Russian National Policy

Extension to
other specific areas

Advocacy of
Model Worldwide



- » Sharing the added value with communities & the Planet
- » Develop a model for Biodiversity & Forestry conservation
- » A reproducible approach



CONSUMERS

- **Ethical values** : solidarity, protection of the environment
- **Quality and quantity** of sustainable cocoa / coffee



COMMUNITIES

- **Diversification and increase of incomes**
- **Secure** of resource
- **Pride** of contributing to planet preservation and sustainable development

Well being improvement



EMPLOYEES

- **Pride** of belonging to a responsible company
- Employee **satisfaction**



PLANET

- **Biodiversity** preservation
 - **Water** preservation
 - **Carbon** sequestration
- Soil enrichment



€ INVESTORS

- Reinforcement of **brand equity**
- Legitimacy on **financial markets** (e.g. DJSI)

Thank You



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