

# Alexander Samorodov – Curriculum Vitae

1. **Family name:** Samorodov
2. **First names:** Alexander
3. **Date of birth:** 28 June 1972
4. **Citizenship:** Russian Federation
5. **Place of residence:** Arkhangelsk, Russian Federation
6. **Education:**

Institution (Date from - Date to)	Degree(s) or Diploma(s) obtained:
Russian Engineering Academy of Management and Agribusiness (REAMA) jointly with Swedish Institute of Agricultural and Environmental Engineering (JTI) (2013)	Certificate of Professional training “Biotechnologies development”
Moscow Institute of Energy Safety and Energy Saving (2010)	Certificate of Completion of Refresher Course in “Energy Saving. Energy Survey of Industrial Plants and Housing and Utility Facilities”
Nordic Council of Ministers (2002)	Certificate of Completion of Scholarship Program for Energy Experts 2002
Russian Higher School of Economics (2001)	Preparation Program on Modern Environment Control Methods in Market Economy). Certificate of Completion obtained
Arkhangelsk State Technical University (now Northern (Arctic) Federal University) (1996-1999)	Academic degree of Candidate of Technical Science (equivalent to PhD) in the specialist field “Thermal Power Plants (heat part)”
Arkhangelsk Forest Engineering Institute (now Northern (Arctic) Federal University), Faculty of Power Energetics (1989-1994)	Diploma of Heat and Power Engineer (with honors)

7. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
Russian (mother tongue)	1	1	1
English	2	2	2

8. **Membership of Professional Associations:**

- Self-regulatory organization in the field of energy survey “Energy Audit”

9. **Other skills:** (e.g. Computer literacy, etc.) Advanced computer user, MS Office, Internet, Skype, touch typing in Russian and English
10. **Present position:** CCGS LLC, Director, Energy Department
11. **Years within the firm:** 5 (since 2008)
12. **Key qualifications:** Energy and carbon consulting, greenhouse gases emissions inventory, Kyoto Protocol mechanisms, baseline study for JI projects and PDD writing, renewable energy potential assessment, bioenergy, biogas, economic analysis of projects, heat and mass exchange, heat engineering, steam and gas turbines, energy efficiency, optimization of energy equipment and processes, energy analysis for enterprises and regions

**13. Specific experience in the regions:**

Country	Date from - Date to
Russia	2001-2014
South Africa	2009-2011

**14. Employment Record:**

<b>From (year): 2013</b>	<b>To (year): now</b>
Employer:	CCGS LLC (Arkhangelsk, Moscow)
Position held:	Director, Energy Department

<b>From (year): 2008</b>	<b>To (year): 2012</b>
Employer:	CCGS LLC (Arkhangelsk, Moscow)
Position held:	Director, Project Development Department

<b>From (year): 2007</b>	<b>To (year): 2008</b>
Employer:	Camco International (Moscow branch)
Position held:	Chief JI Specialist

<b>From (year): 2006</b>	<b>To (year): 2007</b>
Employer:	MCF Financial & Consulting Company Ltd. (Moscow)
Position held:	Chief Carbon Analyst

<b>From (year): 2001</b>	<b>To (year): 2006</b>
Employer:	Environmental Investment Center (Arkhangelsk)
Position held:	Expert on GHG and Energy

<b>From (year): 2003</b>	<b>To (year): 2005</b>
Employer:	Russian-Swedish Educational and Information Centre of Bioenergy (St. Petersburg)
Position held:	Energy expert

<b>From (year): 1999</b>	<b>To (year): 2009</b>
Employer:	Arkhangelsk State Technical University (Arkhangelsk)
Position held:	Associate professor at the Department of Heat and Power Engineering. Lecturer of such disciplines as heat engines and superchargers, design of heat exchangers, cycles of gas turbines, natural gas transportation

<b>From (year): 1996</b>	<b>To (year): 1999</b>
Employer:	Arkhangelsk State Technical University (Arkhangelsk)
Position held:	Assistant at the Department of Heat and Power Engineering

<b>From (year): 1994</b>	<b>To (year): 1996</b>
Employer:	Machine-building plant "Zvezdochka" (Severodvinsk, Arkhangelsk region, Russia)
Position held:	Foreman at the acetylene plant

**15. Professional experience:**

<b>Date from - Date to</b>	<b>Location</b>	<b>Company&amp; reference person (name &amp; contact details)</b>	<b>Position</b>	<b>Description</b>
2013	Novodvinsk, Arkhangelsk region	Arkhangelsk pulp-and-paper mill (Evgenia Moskalyuk, <i>Moskalyuk.Evgenia@apm.ru</i> )	Consultant / Contributor	Report of GHG emissions for 2012, Arkhangelsk PPM (in accordance with ISO 14064-1-2007) Participation in the methodological issues development
2013	Moscow	IFC (Mr. Patrick Willems, Program Manager, IFC Russia, Renewable Energy Program, <i>PWillems@ifc.org</i> )	Chief project executor	Possible scenarios of bioenergy development in Belgorod region for the period up to 2020 Concept development, writing
2013	Moscow	IFC (Mr. Patrick Willems, Program Manager, IFC Russia, Renewable Energy Program, <i>PWillems@ifc.org</i> )	Chief project executor	Development of the scheme of bioenergy plants location in Belgorod region Concept development, writing
2013	Moscow	IFC (Mr. Patrick Willems, Program Manager, IFC Russia, Renewable Energy Program, <i>PWillems@ifc.org</i> )	Chief project executor	Examination of biomass feasible technologies in Belgorod region Collection of information, concept development, report writing
2013	Moscow	IFC (Mr. Patrick Willems, Program Manager, IFC Russia, Renewable Energy Program, <i>PWillems@ifc.org</i> )	Chief project executor	Examination of Capacities for Renewable Energy Sources in Belgorod region with accent to biomass Collection of information, concept development, calculations, report writing
2012-2013	Moscow	IFC (Mr. Patrick Willems, Program Manager, IFC Russia, Renewable Energy Program, <i>PWillems@ifc.org</i> )	Chief project executor	Examination of biomass feasible technologies in Kaluga region

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2012	Moscow	IFC (Mr. Patrick Willems, Program Manager, IFC Russia, Renewable Energy Program, <i>PWillems@ifc.org</i> )	Chief project executor	Examination of Capacities for Renewable Energy Sources in Kaluga region with a focus on biomass technologies Supervision, writing of separate sections of report
2012	Khanty- Mansiysk Autonomous District	Surgutneftegas	Project developer	II project Construction of a gas transmission network for associated petroleum gas utilization in the fields of OJSC Surgutneftegas in the Khanty-Mansiysk Autonomous District, Russian Federation Project preparation and support through determination
2012	Nizhniy Tagil	EVRAZ (Ilya Dmitrov, <i>ilya.dmitrov@evraz.com</i> )	Project supervisor	Reconstruction of the OJSC “Nizhniy Tagil Iron and Steel Works” blast furnaces #5 and #6, Russian Federation Project supervision and quality control
2011-2012	Taganrog	JSC “Taganrog Metallurgical Works” (Irina Koldaeva, <i>KoldaevaIL@tmk-group.com</i> )	Project supervisor / contributor	Reconstruction of Pipe-Rolling Plant at Taganrog Metallurgical Works, Russian Federation Project supervision, development of economic model
2011-2012	Sharya, Kostroma Region	LLC “Kronostar” (Ziya Sadikov, <i>Ziya.Sadigov@kronoply.de</i> )	Project developer	Woodworking Waste to Heat at LLC “Kronostar”, Sharya, Kostroma Region, Russian Federation Project preparation and support through determination
2011-2012	Tula	OJSC Quadra (Igor Devyatkin, <i>Devyatkin_IV@quadra.ru</i> )	Project supervisor	Reconstruction of energy generating facilities of OJSC Quadra using the combined cycle processes, Russian Federation ( <i>separate projects in five cities of Russia</i> ) Project supervision and quality control
2011-2012	the Nenets Autonomous Okrug	LUKOIL (Marina Chikovani, <i>marina.chikovany@lukoil.com</i> )	Project supervisor	Construction of small power plants at the oil fields of "LUKOIL-Komi" LLC, the Nenets Autonomous Okrug, Russian Federation Project supervision and quality control

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2011-2012	Perm	LUKOIL (Marina Chikovani, <i>marina.chikovany@lukoil.com</i> )	Project supervisor	Reduction of associated petroleum gas flaring at LLC “LUKOIL-Perm”, Russian Federation Project supervision and quality control
2011-2012	Naryan-Mar	LUKOIL (Marina Chikovani, <i>marina.chikovany@lukoil.com</i> )	Project supervisor / contributor	Associated petroleum gas treatment for further use at Yuzhno-Khylchuyuskoe field of LLC “Naryanmarneftgas”, Russian Federation Development of project concept, project supervision and quality control
2011-2012	Khanty- Mansiysky autonomous Okrug	LUKOIL (Marina Chikovani, <i>marina.chikovany@lukoil.com</i> )	Project supervisor	Enhancement of associated petroleum gas utilization level at fields of LLC “LUKOIL-Western Siberia” in Khanty- Mansiysky autonomous Okrug, Russian Federation Project supervision and quality control
2011-2012	Khanty- Mansiysky autonomous Okrug	LUKOIL (Marina Chikovani, <i>marina.chikovany@lukoil.com</i> )	Project supervisor	Construction of small power plants at fields of LLC “LUKOIL-Western Siberia”, Russian Federation Project supervision and quality control
2011-2012	Khanty- Mansiysky autonomous Okrug	LUKOIL (Marina Chikovani, <i>marina.chikovany@lukoil.com</i> )	Project supervisor	Construction of compressor station at Severo-Danilovskoe field for associated petroleum gas utilization, LLC “LUKOIL-Western Siberia”, Russian Federation Project supervision and quality control
2011-2012	Khanty- Mansiysky autonomous Okrug	LUKOIL (Marina Chikovani, <i>marina.chikovany@lukoil.com</i> )	Project supervisor	Construction of Hydrocarbon Gas Treatment and Compression Facility at the Severo-Gubkinskoye Field, LLC “LUKOIL-Western Siberia”, Russian Federation Project supervision and quality control

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2011	Astrakhan	LUKOIL (Marina Chikovani, <i>marina.chikovany@lukoil.com</i> )	Project supervisor	Reconstruction of Astrakhan TPP through construction of CCP-110, LLC “LUKOIL-Astrakhanenergo”, Russian Federation Project supervision and quality control, development of project concept and calculation model
2011	Krasnodar	LUKOIL (Marina Chikovani, <i>marina.chikovany@lukoil.com</i> )	Project supervisor / contributor	Expansion of Krasnodar CHPP with installation of CCP-410, LLC “LUKOIL-Kubanenergo”, Russian Federation General management of project development. Project supervision and quality control, development of project concept and calculation model
2011	Svetogorsk	CJSC “International Paper” (Sergey Karchevsky, <i>Sergey.Karchevsky@ipaper.com</i> )	Project supervisor / contributor	Installation of a multi-fuel boiler at CJSC “International Paper” (former Svetogorsk PPM) for waste biomass utilization and energy generation for own needs, Svetogorsk, Russia Project supervision and quality control, project support through determination, participation in project submission for approval
2010-2011	Arkhangelsk	OJSC “Solombala Sawmill and Woodworking Plant”	Project supervisor / contributor	Bark and wood wastes to heat at OJSC “Solombala Sawmill and Woodworking Plant”, Arkhangelsk, Russian Federation Project supervision and quality control, project support through determination, participation in project submission for approval
2010-2011	Arkhangelsk	OJSC “Solombala PPM”	Project supervisor / contributor	Modernization of OJSC “Solombala PPM” energy-generating facilities to reduce fossil fuel consumption, Arkhangelsk, Russian Federation Project supervision and quality control project support through determination, participation in project submission for approval

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2010-2011	Surgut, Tyumen region	Surgutneftegas	Project supervisor / contributor	Utilization of associated petroleum gas for power generation in gas turbines at Surgutneftegas oil fields of Russia Project supervision and quality control, project support through determination
2010-2011	Vorkuta, Komi	JSC "Vorkutaugol" (Irina Travina, <i>IM.Travina@vorkuta.severstalgroup.com</i> )	Project supervisor / contributor	CMM utilisation on the Joint Stock Company "Vorkutaugol" Project supervision and quality control, project support through determination
2009-2010	Arkhangelsk	CJSC "Sawmill 25" (Elena Shikhova, <i>finance@sawmill25.ru</i> )	Project contributor	Pellet Production from Sawmill Residues at CJSC "Sawmill 25", Arkhangelsk, Russian Federation Participation in project preparation, project support through determination
2009-2010	Severoonezhsk, Arkhangelsk Region	Teploinvest (Andrey Dyadyura, <i>a.dyadyura@moeg.ru</i> )	Project supervisor / contributor	Wood Waste to Energy in Severoonezhsk, Arkhangelsk Region, Russian Federation Project supervision and quality control, participation in project preparation, project support through determination
2009-2010	Ust-Ilimsk, Irkutsk region	Ilim Group (Ivan Chukhlomin, <i>ivan.chukhlomin@ilimgroup.ru</i> )	Project supervisor / contributor	Waste Heat Recovery Using "Alfa Laval" Heat Exchangers at OJSC "Ilim Group" Branch in Ust-Ilimsk, Russian Federation Project supervision and quality control, project support through determination, participation in project submission for approval
2009-2010	Ust-Ilimsk, Irkutsk region	Ilim Group (Ivan Chukhlomin, <i>ivan.chukhlomin@ilimgroup.ru</i> )	Project supervisor / contributor	Bark and Wood Waste to Energy at OJSC "Ilim Group" Branch in Ust-Ilimsk, Russian Federation Project supervision and quality control, project support through determination, participation in project submission for approval

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2008-2010	Bratsk, Irkutsk region	Ilim Group (Ivan Chukhlomin, <i>ivan.chukhlomin@ilimgroup.ru</i> )	Project supervisor / contributor	Biomass Wastes to Energy at OJSC "Ilim Group" Branch in Bratsk, Russian Federation Project supervision and quality control, participation in project preparation, determination and submission for approval
2008-2010	Koryazhma, Arkhangelsk region	Ilim Group (Ivan Chukhlomin, <i>ivan.chukhlomin@ilimgroup.ru</i> )	Project supervisor / contributor	Evaporation System Modernization at OJSC "Ilim Group" Branch in Koryazhma, Russian Federation Project supervision and quality control, project support through determination, participation in project submission for approval
2008	Segezha, Karelia	Segezha Pulp and Paper Mill	Project supervisor / contributor	Utilisation of bark and wood wastes at Segezha Pulp and Paper Mill (SPPM), Russia Project supervision and quality control, project support through determination
2007-2008	Tyumen	Salym Petroleum Development N.V.	Project supervisor / contributor	Utilization of Associated Petroleum Gas at Salym Petroleum Development N.V., Russia Project supervision and quality control, project support through determination
2007-2008	Shchekino, Tula region	JSC Shchekinoazot	Project supervisor / contributor	Waste gas utilization at JSC Shchekinoazot, Russia Project supervision and quality control, project support through determination
2007-2008	Perm	JSC Halogen	Project supervisor / contributor	HFC-23 destruction at JSC Halogen, Perm Project supervision and quality control, project support through determination

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2007-2008	Kirovo- Chepetsk, Kirov region	“KCKK Polimer Plant” Ltd	Project supervisor / contributor	Co-destruction of HFC23 and SF6 at “KCKK Polimer Plant” Ltd., Russia Project supervision and quality control, project support through determination
2007-2008	Usinsk, Komi Republic	Enisei Ltd.	Project supervisor / contributor	Low-pressure associated petroleum gas utilization at Enisei Ltd., Usinsk, Komi Republic, Russia Project supervision and quality control, project support through determination
2007-2008	Togliatti, Samara region	Khimteco Ltd.	Project developer	Recovery of Waste Carbon Dioxide at JSC KuibyshevAzot, Russia Project preparation and support through determination
2008	Azerbaijan	Azerbaijan Sugar Production Association Ltd	Project supervisor / contributor	Fuel Switch from Fuel Oil to Natural Gas at Imishli Sugar Factory of “Azerbaijan Sugar Production Association Ltd” Participation in project preparation and support through determination
2007	Elets, Lipetsk region	TGC-4	Project supervisor / contributor	Technical re-equipment of Elets CHP plant with installation of Combined-Cycle Unit of 52 MW, Russia Participation in project preparation and support through determination
2007	Latvia	BTI	Project developer	BTI Biomass Waste-to-Energy Project, Latvia Participation in project preparation and support through determination
2007	Novoshakhtinsk	Teplonasosnye sistemy	Project developer	Energy switch to renewables in Novoshakhtinsk, Rostov region, Russia Project supervision and quality control, participation in project support through determination

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2006-2007	Savinsky, Arkhangelsk region	Eurocement	Project developer	Fuel Switch from Coal and Fuel Oil to Natural Gas at Savinsky Cement Plant, Russia Project supervision and quality control, participation in project support through determination
2006	Novotroitsk	JSC “Ural Steel”	Consultant / Contributor	Implementation of resource-saving technologies at JSC “Ural Steel”, Novotroitsk, Russia Consulting on energy issues
2006-2008	Novodvinsk, Arkhangelsk region	Arkhangelsk PPM (Evgenia Moskalyuk, <i>Moskalyuk.Evgenia@appm.ru</i> )	Project developer	Biomass utilization at Arkhangelsk PPM, Arkhangelsk, Russia Project preparation and support through determination. Preparation of project monitoring report for 2001-2007, project support through verification
2006-2008	Arkhangelsk	Sawmill 25	Project developer	Wood waste-to-energy project at Sawmill 25, Arkhangelsk, Russia Participation in project preparation and support through determination
2005-2012	Balakhna, Nizhny Novgorod region	JSC “Volga”	Project co-developer	Biomass wastes-to-energy project at JSC “Volga”, Russia Project identification (pre-appraisal) preparation and support through determination
2005-2006	Arkhangelsk	Arkhangelsk Regional Adm.	Energy Advisor	Energy strategy of the Arkhangelsk region towards 2015 Collection of information. Participation in development of scenarios
2005	Novodvinsk, Arkhangelsk region	Arkhangelsk PPM (Evgenia Moskalyuk, <i>Moskalyuk.Evgenia@appm.ru</i> )	Contributor / Advisor	Integrated computer program for GHG emissions inventory and monitoring at Arkhangelsk PPM Methodological issues. Participation in testing

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2004	Arkhangelsk and Pitkyaranta (Karelia)	Agency of Direct Investments	Project developer	Demonstration JI projects for Solombala and Pitkyaranta PPMs Collection of information. Concept development. Calculations. Writing
2004	Arkhangelsk	Russian Swedish Centre of Bioenergy	Energy Expert / Project executor	Review of equipment for preparation of bark and wood fuel before combustion Collection of information. Writing
2004	Novodvinsk, Arkhangelsk region	Russian Swedish Centre of Bioenergy	Energy Expert / Project executor	Use of biomass at Arkhangelsk PPM Preparation of concept, writing of main sections
2004	Novodvinsk, Arkhangelsk region	Arkhangelsk PPM (Evgenia Moskalyuk, <i>Moskalyuk.Evgenia@appm.ru</i> )	GHG Expert / Project executor	Methodological guidelines for inventory of GHG emissions at Arkhangelsk PPM Development
2004	Novodvinsk, Arkhangelsk region	Arkhangelsk PPM (Evgenia Moskalyuk, <i>Moskalyuk.Evgenia@appm.ru</i> )	GHG Expert / Project executor	Estimation of contribution of the main departments in the total GHG emission of Arkhangelsk PPM (for 2002) Collection of information. Concept development. Writing
2003-2004	Novodvinsk, Arkhangelsk region	Arkhangelsk PPM (Evgenia Moskalyuk, <i>Moskalyuk.Evgenia@appm.ru</i> )	GHG Expert / Project executor	Elaboration of Arkhangelsk PPM's climate strategy towards 2012 Collection of information. Participation in development of scenarios
2003	Novodvinsk, Arkhangelsk region	Arkhangelsk PPM (Evgenia Moskalyuk, <i>Moskalyuk.Evgenia@appm.ru</i> )	Energy Expert / Project executor	Energy use and energy efficiency at Arkhangelsk PPM during 1990-2002 Collection and analysis of information. Writing of several sections
2003	Moscow	sponsored by US EPA	GHG Expert	Guidelines for inventory of GHG emissions in the Russian pulp-and-paper industry Writing of several sections

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2002-2005	Novodvinsk, Arkhangelsk region	Arkhangelsk PPM (Evgenia Moskalyuk, <i>Moskalyuk.Evgenia@appm.ru</i> )	GHG Expert	Inventory of GHG emissions at Arkhangelsk PPM for 1990-2004 on a year-by-year basis Collection of information, calculations and writing
2002-2003	Arkhangelsk	Solombala PPM	GHG Expert	Inventory of GHG emissions at Solombala PPM for 1990, 1994, 1998-2001 Collection of information, calculations and writing
2002	Novodvinsk and Velsk, Arkhangelsk region	Environmental Defence, US (prof. Alexander Golub, <i>alexander.a.golub@gmail.com</i> )	GHG Expert	Health risks co-benefit analysis of GHG emission reduction scenarios for Novodvinsk and Velsk cities, Arkhangelsk region Collection of information. Development of scenarios. Writing of sections concerning energy and GHG emissions
2001-2002	Arkhangelsk	Arkhangelsk Regional Adm.	GHG Expert	Inventory of GHG emissions in the energy sector of the Arkhangelsk region for 2000 Collection of information, calculations and writing
2001-2002	Arkhangelsk	Arkhangelsk Regional Adm.	GHG Expert	Preliminary GHG inventory for Solombala PPM, Arkhangelsk PPM and Arkhangelsk region for 1990-2001 Collection of information, calculations and writing

### **15a. Publications:**

Yulkin M.A., Diachkov V.A., Samorodov A.V., Kokorin A.O. Voluntary systems and standards to reduce greenhouse gas emissions. Moscow, WWF-Russia, 2013 - 100 p.

Samorodov A. Climate responsibility of business // World energy. – 2006. - №5. – P. 92-94.

Samorodov A., Yulkin M. The overwhelming inventory // World energy. – 2005. - №3. – P. 104-106.

Yulkin M., Samorodov A. The Kyoto protocol and the prospects of Russian pulp-and-paper industry development / The 8-th international scientific & technical conference PAP-FOR 2004. Proceedings, November 22-23, 2004, Saint Petersburg, Russia. P. 42-46.

Climate change: view from Russia / Edited by prof. V.I. Danilov-Danilyan – M.: TEIS, 2003. – 416 p.

Yulkin M., Samorodov A., Diachkov V., Fedorova E., Balashova E. Kyoto Protocol and people's health: ecologico-epidemiological assessment of energy development scenarios in Arkhangelsk region / GHG Inventory and Reduction in Arkhangelsk Oblast. - Arkhangelsk Environmental Investment Center. 2002. - P. 50-58.

Samorodov A., Yulkin M. Inventory of Greenhouse Gases Emission in Arkhangelsk Oblast Energy Sector for 2000 / Survey: Energy sector development and climate change mitigation in Arkhangelsk Oblast - Arkhangelsk Environmental Investment Center. 2002. - P. 17-37.