



RU-CAT

Russia & CIS Catalyst
Technology Conference
9 - 10 APRIL 2018, MOSCOW

Russia & CIS BBTC

13th Bottom of the Barrel Technology
Conference & Exhibition
10 - 11 APRIL 2018, MOSCOW

ORGANISED BY



Euro Petroleum Consultants

SPEAKERS



SPONSORS





RU-CAT

Russia & CIS Catalyst Technology Conference
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POSITIVE IMPRESSION
AS ALWAYS. SPEAKERS
& TOPICS ARE CHOSEN
CAREFULLY & PROFESSIONALLY,
PRESENTATIONS ARE OF THE
BEST QUALITY, AND SESSIONS ARE
WELL FORMED. MANY THANKS
TO THE ORGANISERS.

GAZPROM NEFT

WELCOME TO RU-CAT 2018

Catalytic processes are the heart of all Refineries and Petrochemical Complexes.

With the recent drive for increased integration between refineries and petrochemical complexes, the number of units requiring the use of modern catalysts has increased significantly.

The catalyst industry is booming – the Global Catalyst market is forecasted to reach 33 Billion USD per year by 2018.

Russia, which is highly dependent on the import of catalysts for advanced processing, provides an interesting market, full of opportunities. Developments and innovations in catalysts are helping to create a brighter future for the industry.

When selecting their catalysts customers are looking for longer catalyst cycle lengths, increased selectivity, optimised activation, stable and reliable operation, ease of regeneration options, lower energy consumption, efficiency under certain conditions (i.e. low temperatures, high pressure, water, sulphur and metal content), simpler process scheme and feedstock processing flexibility.

In today's market special focus should also be given to the issues of logistics for Catalyst Regeneration; insitu, ex-situ, etc.

It is also important to understand that there is no universal approach – each configuration is different – the viability of catalytic processes fully relies on the specific client requirements and customising existing schemes to fit the project framework.



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A VERY USEFUL EVENT.
A REVIEW OF THE
ADVANTAGES AND DISADVANTAGES
OF EXISTING TECHNOLOGIES
FOR RESID PROCESSING WAS
DONE. TAKING INTO ACCOUNT
THE NECESSITY TO IMPROVE THE
EFFICIENCY OF FEEDSTOCK PROCESSING,
THE CONFERENCES PRESENTATIONS
WILL HELP TO MAKE DECISIONS ON
THE REFINERY DEVELOPMENT
SCENARIOS.

FORTEINVEST

WELCOME TO RUSSIA & CIS BBTC 2018

Residue upgrading is increasingly seen as a key solution to the pressing challenge of meeting growing market demand for cleaner fuels, the gradual move to processing heavier feedstock and the decreasing demand for heavy oil.

The challenge is simple – to increase the overall conversion of the residues of all crudes into the most valuable distillates.

It is necessary to consider that today the bunker fuel market is being swept by important changes – these changes will re-shape the market and will affect bunker operations, commercial shipping and global refining.

In recent years we have seen refinery complexity increase. A key step in the process is to be able to identify the Residue Upgrading configuration that best fits a particular refinery and answers a number of important questions based on factors specific to each refiner and project, including return on investment, the specific product slate desired, refinery location, refinery

configuration, target markets, feed and product pricing and type of crudes available, and the estimated budget available for modernisation.

The criteria to select one of the upgrading options depends on several factors which must be analysed in detail.

Ultimately what is required are residue conversion solutions that use proven technologies to maximise conversion to distillates, minimise any potential project risks and facilitate project financing with sound economics.

When developing the project it is necessary to evaluate all options to fit the client's specific requirements, evaluate all risks, select the best option for the particular situation, and then implement the project using the Project Implementation strategy that will ensure on time delivery, meeting all quality requirements and within the initial budget.

RU-CAT DAY 1: Monday, 9 APRIL

REGISTRATION & WELCOME COFFEE sponsored by:
OPENING REMARKS



Colin Chapman, President, **EURO PETROLEUM CONSULTANTS**

CATALYSTS INDUSTRY OVERVIEW

Overview & Global Trends

Valentin Kotlomin, Director, Strategic Studies & Downstream Economics,
EURO PETROLEUM CONSULTANTS

The Unique Pilot Plant for Cracking Catalysts Testing in Russia: Modern Approach to Catalyst Efficiency Evaluation

Aleksey Lutchenko, Head of Catalysts Pilot Testing Group,
GAZPROMNEFT - OMSK REFINERY

NETWORKING COFFEE BREAK
sponsored by:



CATALYSTS FOR FCC TECHNOLOGIES

Catalysts Line Construction Project

Aleksandr Zaytsev, Deputy General Director, Commerce & Development / Aleksandr Chembulaev, General Director,
GAZPROMNEFT - CATALYST SYSTEMS

New Opportunities of Domestic FCC Catalysts Technology

Sergey Gurievskikh, Head of Refining Processing Catalysts Production, **GAZPROMNEFT - OMSK REFINERY**

FCC Catalyst Portfolio for Heavy Feed Processing

Aleksey Popov, Technical Service Engineer CIS, **GRACE**

Catalytic Additives for NH₃ and NO_x Emission Control in Partial Burn FCC Fuel Gas

Dr. Song Haitao, Senior Engineer,
SINOPEC Research Institute of Petroleum Processing

KNT Group. Hydroprocessing Catalysts. Breakthrough of ZZZ Domestic Technologies

Nikolay Karpov, Deputy Director for the Supply and Technical Support of Catalysts,
Ishimbay Specialized Chemical Plant of Catalysts (ISPC, KNT GROUP)

LUNCH

HYDROTREATING CATALYSTS & HYDROGEN & SULPHUR MANAGEMENT

Honeywell UOP Catalyst & Adsorbents Solutions

Sergey Kuznetsov, Lead Technical Sales Engineer,
CAS - Hydrocracking, **HONEYWELL UOP**

Importance of a Reliable Hydrogen Source

- How Hydrogen Production Continues to Become More Strategic in the Refinery Operation
- Trends for Improving Efficient Hydrogen Production in Modern Plant Design
- Why Early Project Collaboration with Operator, Technology Vendor & Technology Provider Lowers CAPEX & OPEX of New Designs

Matthew Wilson, Technical Sales Manager,
JOHNSON MATTHEY

Modern Catalysts for Hydrocrackers

Senior Representative, **ART**

KNT Group. Cracking Catalysts. From Successful Import Substitution to International Competition

Anton Saraev, Head of Department for Business Development of Hydrogenation Process Catalysts,
Sterlitamak Catalyst Plant (SCP, KNT GROUP)

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CATALYST HANDLING & MANAGEMENT

Overview of Russian Suppliers & Catalyst Regeneration

Dmitry Sidorov, Project Manager,
EURO PETROLEUM CONSULTANTS

The Complex for Hydroprocessing Catalysts Regeneration "Outside the Reactor". Results of 2017

Alexey Golubev, General Director,
ROSNEFT - NOVOKUIBYSHEV CATALYSTS PLANT

TOTSUCAT® EZload®: Activated Catalyst Made Non Self-heating for Delivery in Big Bags

- What is TOTSUCAT® Catalyst Activation
- The Secret behind EZload®
- Hands-on Experience with EZload®

Reinder van Bruggen, TOTSUCAT® Global Product Manager, Regional Account Manager, **EURECAT**

EUROTECHCAT – a Unique Provider of Catalytic Systems Services

Stanislav Streltsov, Project Manager, **EUROTECHCAT**

END of DAY 1.

PRE-DINNER COCKTAIL
hosted by:



Euro Petroleum Consultants

RU-CAT DAY 2: Tuesday, 10 APRIL

NETWORKING & MORNING COFFEE

PRODUCTION QUALITY IMPROVEMENT. CLEAN FUELS

ExxonMobil Catalysts Systems

Andrey Krichko, Business Development Manager,
EXXONMOBIL

Reforming Catalysts & Technology Implementation Results

Victor Tomin, General Director / Prof. Aleksandr Belyi, Head of Motor Fuels Synthesis Research Laboratory,
ROSNEFT – ANAGARSK CATALYSTS & ORGANIC SYNTHESIS PLANT / INSTITUTE OF HYDROCARBONS PROCESSING OF THE SIBERIAN BRANCH OF THE RAS

Application of Haldor Topsoe ReFRESH™ Technology in Closed Cycle Operations of Topsoe Catalysts at Astrakhan Refinery
Aleksey Stryukov, Maintenance Engineer / Aleksey Zhurbin, Deputy Chief Technologist,

Haldor Topsoe / GAZPROM DOBYCHA ASTRAKHAN

Criterion 834: High Performance Catalyst in Low-Temperature Tail Gas Treating

Dr. Lydia Singoredjo, Licensing Technology Manager,
CRITERION CATALYST COMPANY

NETWORKING COFFEE BREAK

RESEARCH, ANALYSIS TECHNIQUES & CATALYST DEVELOPMENT

Lab Scale Tools for Industrial Relevant Catalyst Investigation

Ph.D. Valentin Goujard, Business Development Manager
"Vinci Technologies", **EPAC-Service / Xytel**

SPECIAL PRESENTATION

Business Case: Why Refiners Carry-Out Independent Catalyst Evaluations

Sascha Vukojevic, Senior Business Development Manager,
HTE

Enabling (Standardizing, Accelerating) Catalysis R+D for e.g. Chemicals, Polyolefins, Rubbers, Fuels

- Standardised & Accelerated Catalysis R+D
- Catalyst Preparation

- Catalyst Screening & Testing

Ph.D. Michael Schneider, Sr VP BUs Life Science & Materials Science, **CHEMSPEED TECHNOLOGIES AG**

Reaction Chemistry of Cracking & Isomerization in Acid Catalysis

Ph.D. Yuan Shuai, Engineer, **SINOPEC Research Institute of Petroleum Processing**

END OF RU-CAT & FAREWELL LUNCH hosted by:



Russia & CIS BBTC DAY 1: Tuesday, 10 APRIL

REGISTRATION & WELCOME LUNCH

OPENING REMARKS Colin Chapman, President, **EURO PETROLEUM CONSULTANTS**

INDUSTRY OVERVIEW - MARKET TRENDS & REGULATIONS

Technology Solutions for Increasing Conversion

- How World Refiners Increase Conversion?
- Current & Future Projects Overview
- Status in Russia

Valentin Kotlomin, Director, Strategic Studies & Downstream Economics, **EURO PETROLEUM CONSULTANTS**

LNB H-Oil Main Highlights on Performances throughout 2015-2017. Projected LNB Commercial Operation Benefits with HCAT Technology

Ilshat Sharafutdinov, Chairman of Management Board,
LUKOIL NEFTOHIM BURGAS

Challenges of Russian Tight Oil & Residual Refining

Vladimir Kapustin

Coupling LSFO Production with Residue Conversion: the Two-pronged IMO Solution

Senior Representative, **AXENS**

NETWORKING COFFEE BREAK

HOW REFINERS ARE MEETING INDUSTRY CHALLENGES

SPECIAL PRESENTATION

Senior Representative, Department of Construction and Project Supervision, **LUKOIL**

Marpol & Impact on Refiners in Russia

Ekaterina Kalinenko, Project Director,
EURO PETROLEUM CONSULTANTS

The Impact of MARPOL on the European Fuel Oil Market

Anthony Guida, Fuel Oil Specialist, **S&P GLOBAL PLATTS**

H-Oil® + HCAT® Technology Application at LUKOIL Neftohim Burgas

- Overview of HCAT Technology
- Overview of the HTI Pilot Plant
- Pilot Plant Results and Key Benefits Observed

Jeffrey Gendler, V.P. Business Development & Licensing, **HTI**

PRODUCERS' PANEL SESSION ON INDUSTRY OBJECTIVES & CHALLENGES

- What will MARPOL Really Mean for the Downstream Industry?
- Will Compliance Solutions Change Over Time for Refiners?
- What Future Trends are Expected by Refiners as a Result of These Regulations?

Panelists invited: **ROSNEFT, GAZPROM NEFT, LUKOIL, LUKOIL-Nizhegorodniinefteproekt, LUKOILNEFTOCHIM BURGAS, TAIF, MOZYR REFINERY, KazMunaiGaz**

END of DAY 1.

GALA EVENING hosted by:



Russia & CIS BBTC DAY 2: Wednesday, 11 APRIL

NETWORKING & MORNING COFFEE

FOCUS ON THERMAL & EXTRACTION PROCESS SOLUTIONS

Fuel Oil Reduction Options for Today's Refineries

- A Review of the Technology Options to Reduce or Eliminate Fuel Oil Production from Refineries
 - Importance of the Bunker Fuel Sulphur Regulation
- Steve Beeston, Vice President – Business Development, Process Technology and Consulting, **WOOD**.

FLEXICOKING™- Resid Upgrading for Refinery, Power, Chemical Integration & Energy Improvement

David Ayrapetyan, Licensing Manager, Refining & Gas Process Technologies, **EXXONMOBIL**

Improve Profitability by Increasing Visbreaker Conversion & Extending Run Lengths

- Use Chemical Additives to Mitigate Precipitation of Coke & Asphaltenes
- Combined Use of BHGE Analytical Techniques, Simulations, Correlations & Additives

Marco Respini, Senior Technology Advisor, **BAKER HUGHES, a GE company**

Cost-effective Solution with ROSE

- Latest Trends of ROSE Application with High-lift
 - Commercially Proven Complete Pitch Disposition Solution through KBR-AiMST™ System
- MJ Rahman, Director, Resid Technology, **KBR**

NETWORKING COFFEE BREAK

ADVANCED OPTIONS FOR RESIDUE UPGRADING (HYDROPROCESSING)

Topsoe's Technologies Package for Oil Refinery Modernisation: Hydroprocesses, Hydrogen Production & Sulphur Management

Vladimir Morinov, Manager Technologies Sales Department, Refining, **Haldor Topsoe**

SPECIAL PRESENTATION

Aleksey Zadorin, Head of Perspective Development and Conceptional Engineering Department, **GAZPROM NEFT**

Maximizing Refinery's Margins through a Novel Approach for Bottom of the Barrel Conversion: Eni Slurry Technology

Nicoletta Panariti, Licensing Commercial Development Manager, **ENI S.P.A**

LUNCH

OPTIMISING FLUID CATALYTIC CRACKING FOR RESID OPERATIONS. PART 1

FCC Revamp Application for Higher Margin

Sonia Plantier, Technologist, Middle Distillates & Conversion, Process Licensing Business Unit, **AXENS**

Processing More Resid through an FCC Unit Using KBR's RegenMax Technology

Rahul Pillai, Technology Manager, FCC / Alkylation, **KBR**

FCC PRESENTATION

Senior Representative, **CB&I**

NETWORKING COFFEE BREAK

OPTIMISING FLUID CATALYTIC CRACKING FOR RESID OPERATIONS. PART 2

Debottlenecking the FCC through Delta Coke Reduction

Ilya Kryukov, Technical Sales Manager, **JOHNSON MATTHEY**

SPECIAL PRESENTATION

Senior Representative, **HONEYWELL UOP**

Special Equipment for Resid Processes

Yury Urozhaev, Projects Manager, **EURO PETROLEUM CONSULTANTS**

Speakers invited: **KOCH-GLITSCH, OMZ, GE, Heurtey Petrochem, DeltaValve**

FAREWELL DRINKS hosted by

END of Russia & CIS BBTC 2018



THE VENUE



InterContinental Moscow Tverskaya is a modern, luxury hotel located on Tverskaya Street - the main street of Moscow, leading straight to the Kremlin. Well-equipped luxury suites include a private terrace overlooking the bustling urban landscape. Ideally located, a short walk from Red Square and other sights of the capital. InterContinental Moscow Tverskaya hotel blends comfortable, modern design with the warmth and friendliness of true Russian hospitality to create an unforgettable experience!

RUSSIA & CIS EVENTS 2018

PTF 30 - 31 MAY, SYZRAN, RUSSIA
Projects & Technology Forum

Executive Summit 28 - 29 JUNE, SOCHI
Russia & CIS Oil & Gas Executive Summit

Moscow Refining, Gas & Petrochemicals Week

GTCC 17 - 18 SEPTEMBER, MOSCOW
3rd Russia & CIS Gas to Chemicals Conference & Exhibition

RPTC 18 - 19 SEPTEMBER, MOSCOW
17th Russia & CIS Petrochemicals Technology Conference & Exhibition

RRTC 20 - 21 SEPTEMBER, MOSCOW
18th Russia & CIS Refining Technology Conference & Exhibition

Op-Ex Russia & CIS 15 - 16 NOVEMBER, SOCHI
5th Operational Excellence in Oil, Gas & Petrochemicals Conference & Exhibition



MARKETING OPPORTUNITIES

BECOME A SPONSOR

LOGO BRANDING SPONSORSHIP OPTIONS

Your logo prominently displayed on important conference materials distributed to all delegates

- Sponsor of the bags
- Sponsor of the lanyards
- Sponsor of the event guide
- Sponsor of the stationery
- Sponsor of magnets

HOST A FUNCTION

Host a high quality & memorable networking event and have the chance to welcome delegates at the chosen function

- Sponsor of the lunch(es)
- Sponsor of the gala evening
- Sponsor of the networking coffee breaks

ALL PACKAGES INCLUDE:

- Delegate places
- Exhibition space
- Advertising pages & online exposure
- Opportunity to make a presentation and/or chair a session

BOOK EXHIBITION SPACE

AN EXHIBITION PACKAGE INCLUDES:

- One delegate place
- Space for your own display
- Table, chairs and electricity points
- Your logo, profile and contacts in the event guide
- Excellent visibility during the event

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EVENTS OF THE
REFINING SECTOR,
PERFECT TOPICS AND
ORGANISATION. UP-TO-DATE
AND INTERESTING
PRESENTATIONS.
THANK YOU!

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REGISTRATION

	EVENT RATE		JOINT RATE
	RU-CAT	RusBBTC	RU-CAT & RusBBTC
Delegate Place	GBP 1590 *	GBP 1590 *	GBP 2700
Exhibition Space (incl. 1 delegate/event)	GBP 2500	GBP 3950	GBP 5000

REGISTER AT

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RU-CAT ☐
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*A supplement of GBP 250 will be added after 09-03-2018

TERMS & CONDITIONS

LOCATION OF CONFERENCE

The events will take place at InterContinental Moscow Tverskaya hotel.
Address: 22 Tverskaya Str., Moscow 121099, Russia.

ACCOMMODATION

Euro Petroleum Consultants has negotiated a reduced rate for delegates at the InterContinental Moscow Tverskaya. To benefit from this rate, you must book your room using the reservation form which we will send you when you register for RU-CAT / RusBBTC.

REGISTRATION FEE

This includes attendance at the conference, Conference documentation, lunch and coffee breaks on both days and attendance at social functions. Full payment must be received before the conference in order to guarantee entry. Registration fee made in US Dollars or Euros will be subject to the Central Bank exchange plus 5%.

CONFERENCE LANGUAGE

The conference languages will be English and Russian. Simultaneous translation will be provided.

VISAS

Delegates requiring visas should apply for a TOURIST VISA only. Visa support letters can be obtained from your hotel. PLEASE ALLOW PLENTY OF TIME.

CONFERENCE DOCUMENTATION

If you are unable to attend the conference in person, you can purchase the Conference Proceedings. This includes access to all the papers and presentations, which can be downloaded from the web site. The conference Proceedings are available at a cost of GBP 400.

CANCELLATIONS

Cancellations made before 9 March 2018 will be refunded in full less an administrative charge of GBP 200. We regret that cancellations made after this date cannot be refunded or credited.

DISCLAIMER

Euro Petroleum Consultants reserves the right to alter the content or timing of the program and its speakers although this happens rarely. EPC is not responsible for the content of the presentations by third parties or if an event is cancelled or postponed due to force majeure. * Denotes speaker is subject to final confirmation. Your image may appear in the post-show report, conference video or photo gallery. If you have any objection to this you must please inform the Organisers.

DATA PROTECTION

The information given in the registration form by the delegate is processed in accordance with the Data Protection Act. By registering, you are agreeing to receive further information related to the event. In addition we may send you information about our other events if we deem them to be of relevance to you. If you do not wish to receive other relevant information from Euro Petroleum Consultants please inform us.

ORGANISERS

Euro Petroleum Consultants (EPC) is a consulting organisation supplying consulting & project management services to the oil & gas industry. President: Mr Colin Chapman.
For further information, visit our website: www.europetro.com or contact us by telephone: +7 495 517 77 09 or send us an email at: moscow@europetro.com

ABOUT THE ORGANISERS

Euro Petroleum Consultants (EPC) is a leading independent consulting company for the Downstream Oil, Gas & Petrochemical sectors.

Our mission is to act as Client Project Engineer (CPE) providing expertise, advice and support during all stages of Project Development, including Feasibility Studies, Masterplans, Technology Selection, PMC Services, Start-Up Support and Operations Management.

We also act as Consultant to major Banks to provide technical supervision for the projects they have financed.

EPC has over 20 years of consulting experience spanning all regions; Russia & CIS, the Caspian region, the Middle East, Europe and Africa.

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FORTEINVEST

Refinery Expansion (Technical advisor)

AFIPSKY REFINERY

Technical Consultant to Bank for Major Refinery Upgrade Project

SOCAR

Urea Complex & Polypropylene Project (PMC)

MOZYR REFINERY

Octane Complex (PMC)

SALAVATNEFTEORGSIINTEZ

Technical Consultant, Acrylic Acid Project

SONARA CAMEROON

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