

High performance production solutions for modern motor gasoline

By: SIE Neftehim

SIE Neftehim (Russia) will present its isomerisation and reforming technologies at EGYPS-2020 for the first time.

SIE Neftehim is the well-known Russian engineering company, Licensor and producer of refining catalysts and technologies.

For over 60 years, SIE Neftehim technologies have been firmly consolidated in the world market.

Currently, the company takes a special interest in the North African and Mediterranean market. Delivering the energy needs of tomorrow, introducing the best innovative environmental and economically efficient solutions, renovating the existing production facilities, increasing the production share of gasoline meeting the modern environmental standards are the main activities of SIE Neftehim.

SIE Neftehim has its own scientific and laboratory base, modern equipment, expertise and knowledge for constant enhancement of catalyst quality and the new effective solutions.

Today, SIE Neftehim has widely introduced Isomalk-2 isomerisation technology based on the unique oxide catalyst SI-2, which helps to produce high-octane gasoline component without chlorinating reagents, while SI-2 catalyst service life is more than 12 years.

Over a half of Russian gasoline is produced with Isomalk-2 technology.

Other new products and those acknowledged in the market that will be presented at EGYPS-2020:

- n-butane to isobutane isomerization technology and catalyst, isobutane is used to produce alkylate and MTBE;
- ISOPLAT technology, combining 2 processes: heptane isomerisation and naphtha reforming;
- naphtha reforming catalysts for continuous regeneration, as well as semi-regenerative reformers;
- isobutane and isopentane reverse isomerisation technologies to produce monomers in petrochemical synthesis.

SIE Neftehim technologies and



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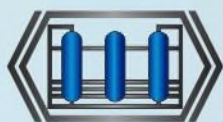
catalysts are patented in many countries and have multiples awards.

Within EGYPS Technical Conference 2020, SIE Neftehim Chief Technology Officer Mr. Timofey Karpenko will deliver his report "Modern isomerisation and reforming technologies for enhancement of quality and yield of Euro-5 compliant motor gasoline".



SIE Neftehim, LLC is:

- the reliable supplier of unique technologies and catalysts for isomerisation, reforming, hydrotreatment, and hydrogenation;
- comprehensive solutions minimizing involvement of additional expensive non-aromatic fuel components for production of EURO-5 gasoline and increasing commercial product yield;
- simple and technically reliable solutions minimising CAPEX and OPEX;
- technical support from proven process developer at all project stages.



SIE NEFTEHIM

РАЗРАБОТЧИК И ЛИЦЕНЗИАР ПРОЦЕССОВ ИЗОМЕРИЗАЦИИ И РИФОРМИНГА



ISOMERIZATION

эффективные технологии
ISOMALK
на высокоактивных оксидных
катализаторах

REFORMING CCR

continuous reforming
over RC-catalysts

ISOPLAT

объединение
изомеризации C₇-фракции
и риформинга
в единой технологии

REFORMING SRR

fixed bed (semiregenerative)
reforming over REF-catalysts



Более 60 лет опыта
в разработке технологий получения
автобензинов



Более 900 тонн/год
производство катализаторов



Более 80 выполненных проектов
Россия, Европа, Китай, Индия и др.



Получение бензина без МТБЭ
ЕВРО-5 (EN-228)



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Scientific Industrial Enterprise Neftehim, LLC
4, Zakharov Str., 350007, Krasnodar, Krasnodar Region, Russia
Tel.: +7 (861) 203-20-20 info@nefthim.ru
www.nefthim.com