



**BEST-IN-CLASS TECHNOLOGY**

We have been very successful in winning contracts in the region to supply our own technology - our SYDEC<sup>SM</sup> delayed cokers, fired heaters, hydrogen plants and our leading-edge solid fuel-fired steam generators.

We have successfully completed contracts for engineering and material supply of refinery process fired heaters, steam reformers, delayed cokers and waste heat recovery boilers, with clients in Russia, Ukraine, Turkmenistan, Belarus, Kazakhstan and Bulgaria.

**WORLD-CLASS PROJECT MANAGEMENT**

Since the early 2000s we have also been involved in prestigious project management consultancy contracts, such as for the Nizhnekamsk refinery and petrochemicals complex in Tatarstan, for BP-TNK in Ryazan, and for the Alliance upgrading project at Khabarovsk.

**CONSULTANCY SERVICES**

Our dedicated consultancy teams have built successful long-term relationships with many clients world-wide, resulting in significant repeat business. We work with our clients to arrive at a total business solution to meet today's challenges.

We work with our clients' senior management and planning groups, with market consultants, and with financial institutions, help develop robust investment plans. We can evaluate a wide range of investment options and develop phased investment plans.



the right people with a  
'can do' attitude and the  
commitment to deliver

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**RUSSIA & CIS**  
More than 80 years' experience



## LOCAL SERVICE, GLOBAL CAPABILITY



### LOCAL SERVICE

We have been doing business in Russia, the Commonwealth of Independent States, and the surrounding countries since the 1930s when we started to sell our marine boilers to Russia's Baltic and Caspian fleets. We built the Grozny refinery, designed to process heavy crude. We formed one of the first Russian joint ventures of the 1980s, called Hitech, and since the early 1990s, we have been present in Moscow with a strong sales and technical support organization.

Russia, the CIS and neighbouring countries are very important to us in upstream oil and gas, LNG/GTL, refining and chemicals, and also areas such as food and pharmaceuticals.

### OUR MOSCOW OPERATION

To better meet client requirements in the region, we continue to build our local presence.

OOFW, our Moscow execution center, is based in Park Place, a business center equipped with all modern facilities. The local team's technical expertise, experience, capability, and knowledge of local norms and regulations is supported, technically and commercially, by our global organization.

With a staff of bi-lingual professionals, OOFW offers feasibility studies, project management, front-end design, the application of Russian norms, local procurement assistance, support for fired heater equipment sales, and follow-up services in Russia and the CIS countries.

### STRONG LOCAL RELATIONSHIPS

We have established excellent working relationships with many Russian clients, as well as with a range of local design institutes, and engineering and construction partners, and have earned a reputation for the technical excellence of our services and of our equipment.

### A CONTRACTOR YOU CAN TRUST

Foster Wheeler is a global engineering, procurement and construction contractor and power equipment supplier. We design and build high quality, technically advanced, reliable facilities and equipment world-wide, on time, on budget and with a world-class safety record. We provide solutions from the wellhead to the downstream units.



### PROJECT HIGHLIGHTS

We have a long and successful track record in Russia and the CIS, and also with Russian clients investing outside the region.

*Examples of current and recent projects include:*

#### INTEGRATED REFINERY/PETCHEMS Tatarstan

OOFW has been involved from the very beginning in the development of the Nizhnekamsk integrated refinery and petrochemicals complex. The Moscow team worked with our Paris operation to develop the FEED, and we also won contracts to provide fired heaters, and a SYDEC<sup>SM</sup> delayed coking process design package for the refinery.

#### FIRED HEATERS Russia & Bulgaria

We designed and supplied two fired heaters for a new visbreaker unit, part of the upgrade program at the Nizhegorodnefteorgsintex refinery for LUKOIL in western Russia. In addition, we supplied a 65 MW crude heater for the biggest refinery in the Balkans, the LUKOIL Neftochim Bourgas refinery in Bulgaria.

#### HYDROPROCESSING COMPLEX Khabarovsk, Russia

FEED and project management for a new hydroprocessing complex at the Khabarovsk refinery. The hydrogen plant is based on our proprietary TERRACE-WALL<sup>SM</sup> steam methane reforming technology.

#### REFINERY MODERNIZATION Ryazan, Russia

Project management consultancy for the refinery modernization program, to increase production of higher-value products, increase the conversion ratio of crude oil, and improve the quality of gasoline.

#### FCC COMPLEX Salavat, Russia

Engineering contract for a multi-million dollar fluidized catalytic cracking complex to produce high-value gasoline and LPG at the Salavat refinery. Our scope included design services, licensor co-ordination, cost estimating, advice on Russian design requirements, development of the required Russian permitting documentation, and initial detailed engineering and procurement.

# HIGHLIGHTS



#### OIL TERMINAL Ust-Luga, Russia

Concept selection study for an oil and oil product import and export facility, including a marine facility, tankage and rail unloading terminal at Ust-Luga in the Gulf of Finland, in conjunction with Neftechimproyekt, a Russian design institute.

#### PETROCHEMICALS COMPLEX Kazakhstan

Ongoing key role, starting with a detailed feasibility study for Kazakhstan's first petrochemical complex. It includes a gas separation unit at Tengiz to provide feedstock for the petrochemical complex near Karabatan, which will produce polypropylene and polyethylene, plus a power plant and pipelines.

#### VDU FIRED HEATER Mozyr, Belarus

Services and critical equipment supply contract to replace a vacuum distillation unit fired heater, within a 30-day shutdown period.

#### DELAYED COKER REVAMP Turkmenistan

We completed the basic design and FEED for the existing delayed coker unit at the Turkmenbashi refinery, and performed basic design in co-operation with Neftechimproyekt of St Petersburg.

#### CLEANER GASOLINE Lithuania

Engineering, procurement and construction for a selective hydrogenation and desulfurization project at the Mazeikiiai Refinery.

#### REFINERY EXPANSION & POWER PLANT Mari-El, Russia

Refinery expansion to increase capacity and increase conversion capability. We are defining the design basis, and undertaking basic design and FEED activities. It includes a hydrocracker, a solvent deasphalting unit and a Foster Wheeler hydrogen production unit.

#### ADVANCED CFB Novocherkassk, Russia

330 MWe advanced circulating fluidized-bed steam generator, using our leading-edge supercritical once-through steam technology - the second supercritical CFB to be ordered in the world!

Studies FEED EPC Project Management