



THROUGH
OUR WORK
WE DEFINE energy is opportunity
OPPORTUNITY

—
Saudi Aramco
facts & figures 2015

THROUGH
OUR WORK
WE DEFINE **energy is opportunity**
OPPORTUNITY

—
Saudi Aramco
facts & figures 2015

page 6 upstream:
sustaining excellence

page 16 human resources:
driving performance

page 8 downstream:
maximizing value

page 18 citizenship:
inspiring tomorrow

page 10 technology:
pioneering advances

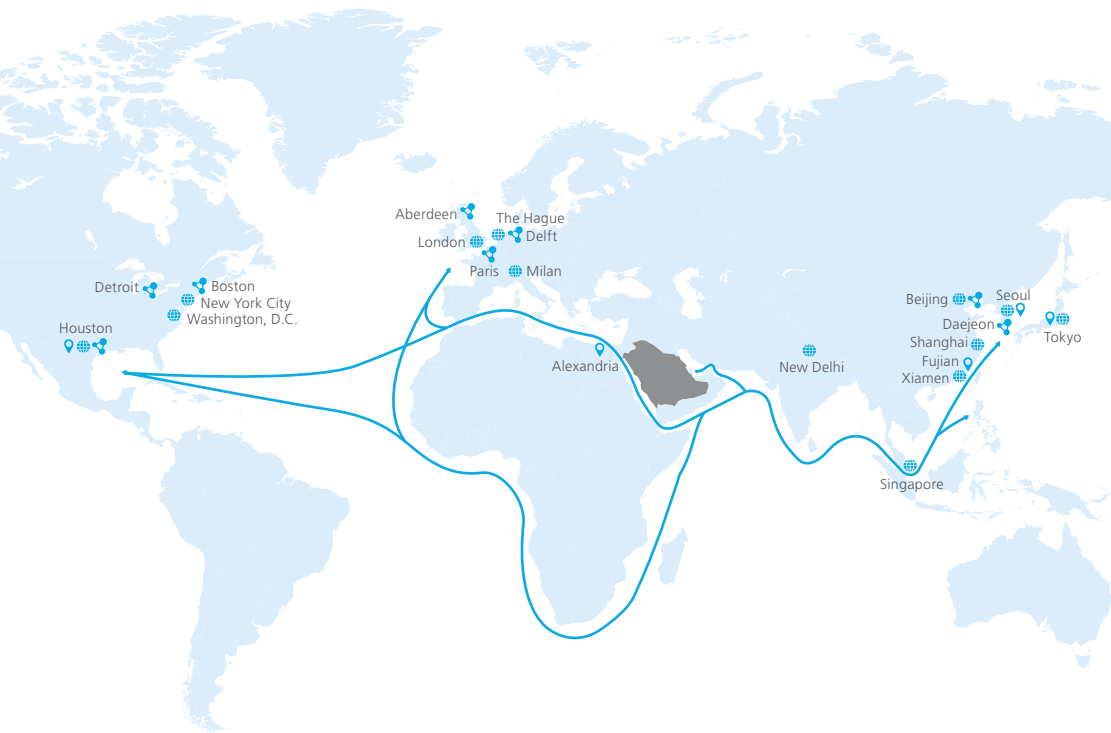
page 20 2015 in numbers

page 12 health, safety, and
environment: protecting
resources

page 14 enabling opportunities:
our commitment to
the Kingdom

Disclaimer: Each company affiliated with the Saudi Arabian Oil Company ("Saudi Aramco"), and in particular, each subsidiary company including their associated research centers, is a separate entity that manages and controls its own affairs. The use of terms such as "company," "Saudi Aramco," "organization," "it(s)," "our(s)," "their(s)," "we," and "us," and of abbreviated titles, is only for convenience in reference and is not intended as an accurate description of the individual status of any legal entity or corporate relationship, or to indicate that Saudi Aramco is conducting commercial activities outside the Kingdom of Saudi Arabia.

global and domestic operations



Key figures

crude oil and condensate reserves

261.1b barrels

crude oil production

10.2m bpd

crude oil exports

7.1m bpd

export shipping routes

R&D center/technology office

global office

joint and equity ventures

Houston
Motiva Enterprises LLC

Alexandria
The Arab Petroleum Pipeline Co. (SUMED)

Fujian
Fujian Refining and Petrochemical Company Ltd.
Sinopec SenMei Petroleum Company Ltd.

Seoul
S-OIL

Tokyo
Showa Shell

Key figures

gas reserves

297.6t scf

total raw gas processed

11.6b scfd

NGL production

1.3m bpd

Saudi Aramco headquarters

Saudi Aramco refinery

terminal

bulk plant

joint venture refinery

Lubref

Marafiq

t = trillion

b = billion

m = million

bpd = barrels per day

scf = standard cubic feet

scfd = standard cubic feet per day

NGL = natural gas liquids



Key figures

gas reserves

297.6t scf

total raw gas processed

11.6b scfd

NGL production

1.3m bpd

Saudi Aramco headquarters

Saudi Aramco refinery

terminal

bulk plant

joint venture refinery

Lubref

Marafiq

t = trillion

b = billion

m = million

bpd = barrels per day

scf = standard cubic feet

scfd = standard cubic feet per day

NGL = natural gas liquids

upstream: sustaining excellence



Wasit Gas Plant exemplifies our steadfast focus on maintaining our position of upstream leadership.

Stimulating new opportunities in the Kingdom and across the world through the safe, sustainable, and reliable provision of energy is our strategic purpose.

In 2015, we produced an average of 10.2 million bpd of crude oil, an all-time record, and processed an average of 11.6 billion scfd of raw gas, also an all-time record.

One of our priorities in 2015 was to focus on increasing **capital efficiency**. We used the market downturn to renegotiate contracts to achieve significant cost savings for construction and equipment, and for services related to drilling, well stimulation, testing, and logging, even while rig count numbers declined globally across the industry.

Our **exploration program** discovered five new oil and gas fields, bringing our total number of discovered fields to 134.

We made significant progress toward completing the expansion of our **Shaybah** field to increase production of Arabian Extra Light crude oil by 250,000 bpd, raising overall production capacity to 1 million bpd. The project is on track to come onstream in the first half of 2016. The NGL recovery plant at Shaybah, designed to process as much as 2.4 billion scfd of associated gas and recover 275,000 bpd of ethane plus NGL, was commissioned and started production in December.

Wasit Gas Plant, one of the largest non-associated gas plants we have ever built, came onstream in October. Wasit will have the capacity to produce a maximum of 1.7 billion scfd of sales gas and fractionate 240,000 bpd of NGL. The cogeneration plant at Wasit makes the facility self-sufficient in power, with excess energy delivered to other company plants.

We plan to nearly double gas supplies over the coming decade.

Construction of gas processing facilities at our **Midyan Gas Plant** in the Tabuk region of northwestern Saudi Arabia was roughly 50% complete by the end of 2015. We anticipate bringing the plant onstream by the end of 2016, with the capacity to produce and process 75 million scfd of nonassociated gas and 4,500 bpd of condensate.



—
downstream:
maximizing value

The Sadara Chemical Company brings new products, new jobs, and new knowledge to the Kingdom.

We leverage each step in the hydrocarbon process from wellhead to market to create opportunities that produce shared value for our partners, our customers, and consumers in the Kingdom and around the globe.

Integration between our domestic and global downstream facilities maximizes economies of scale while securing market share in high-value, high-growth sectors. In 2015, we marked historic milestones on our journey to become a world leading integrated energy and chemicals company.

We are developing an integrated refining, marketing, and petrochemical network.

The **Sadara Chemical Company**, our joint venture with The Dow Chemical Company and the world's largest chemicals complex built in a single phase, was commissioned in December 2015 and is on track for full production by early 2017.

The Saudi Aramco Total Refining and Petrochemicals Company (**SATORP**) joint venture with France's Total achieved one full year of operations with no lost-time injuries. Our joint venture with China's Sinopec, the Yanbu Aramco Sinopec Refining Company (**YASREF**), started commercial operations in April.

The expansion of our **Petro Rabigh** integrated refining and petrochemical venture with Japan's Sumitomo is on track for initial commissioning in mid-2016. By the end of 2015, 11 conversion companies had started production in the Rabigh PlusTech Park.

Our wholly owned **Jazan Refinery and Terminal** in the Kingdom's southwest are the industrial heart of the government's greater Jazan Economic City project, and part of a broad plan to drive sustainable economic development in the region. Commissioning of the refinery and completion of its associated integrated gasification combined cycle power plant are scheduled for 2018.

In November, we signed a Heads of Agreement with **PT Pertamina**, the national oil company of Indonesia, to formalize key business principles for the joint ownership, operation, and upgrade of the Cilacap Refinery located in Central Java, Indonesia. The basic engineering design study for the refinery upgrade is expected to be completed in 2016.

Our European subsidiary, Aramco Overseas Company B.V., and LANXESS, a German specialty chemicals company, signed a binding agreement in September to create **ARLANXEO**, a new 50-50 joint venture company. The proposed joint venture will develop, produce, market, sell, and distribute performance polymers. The partnership with LANXESS diversifies our portfolio, increases our competitive position, and scales up our global presence while creating more commercial opportunities for sustainable growth in Saudi Arabia.



Strategically located in the heart of the automotive industry, our Detroit Research Center investigates engine-fuel systems to boost efficiency and lower emissions.

technology: pioneering advances

Sustained investment in technology — particularly in today's challenging business climate — is a key enabler of our company's long-term resilience.

By investing in new technologies, we seek to improve operating efficiencies, decrease greenhouse gas emissions, and create greater economic opportunities for the people of the Kingdom.

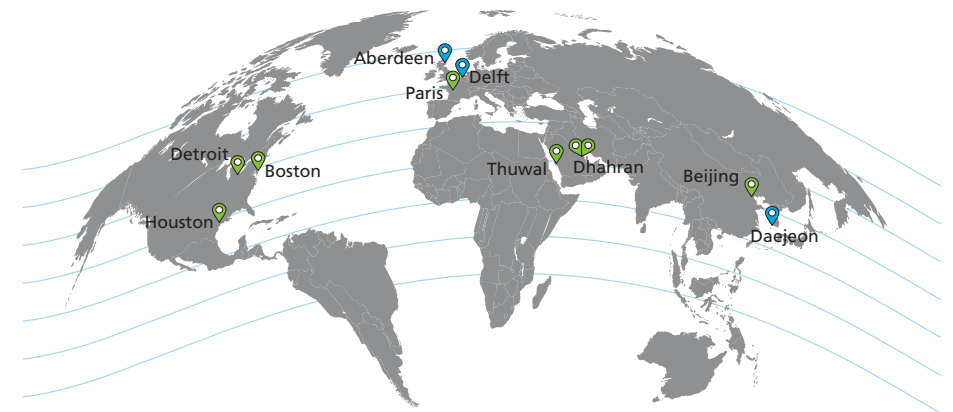
Within the Kingdom, we have joined efforts with research universities to advance our work on new technologies for upstream and downstream disciplines, and we nurture alliances between academia and industry by engaging with leading energy service companies in research and innovation parks.

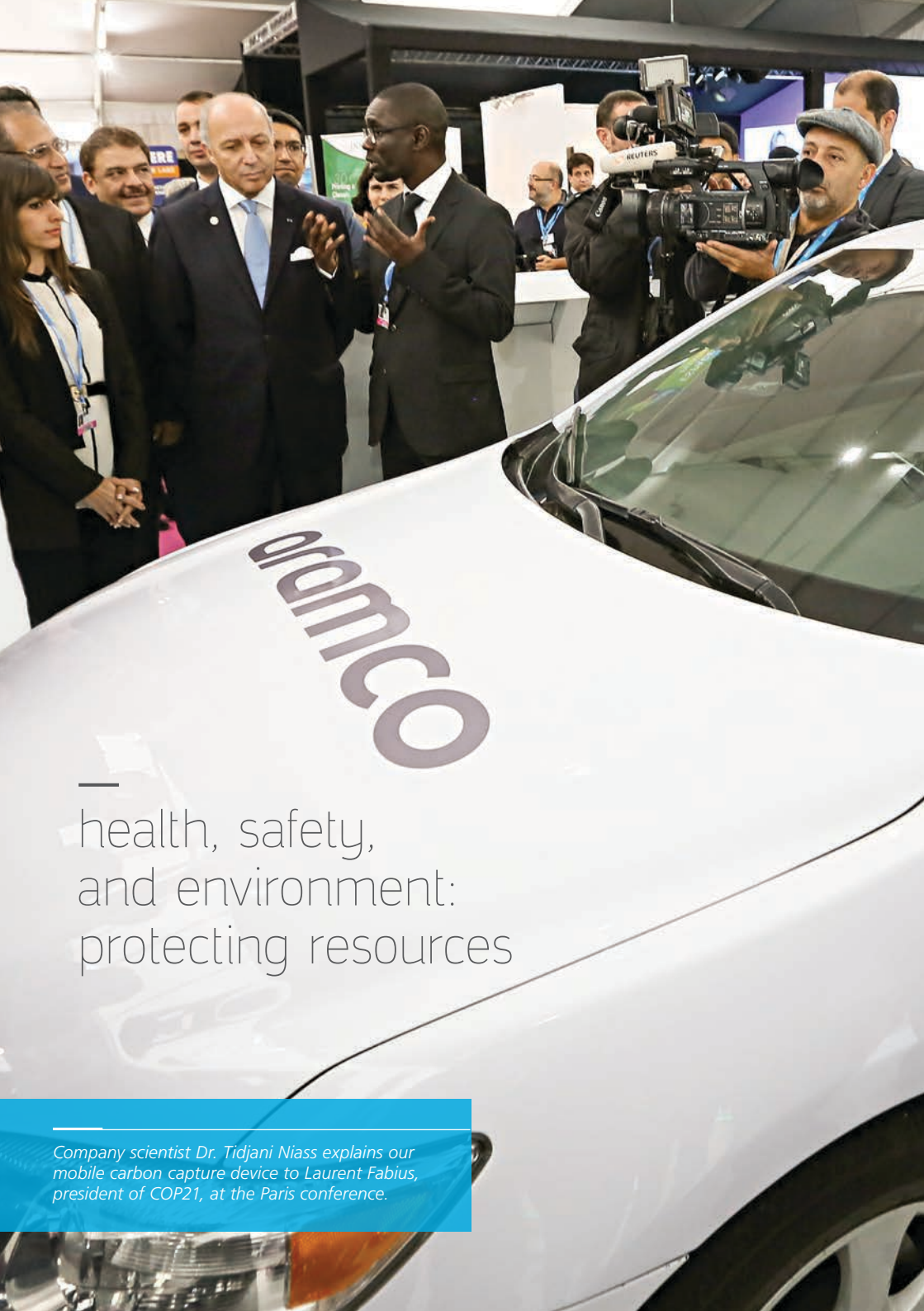
Internationally, we have productive research and education associations with world-renowned technical universities. We also invest globally in startup and high-growth companies developing technologies aligned with our vision.

Strategically located in technology hubs in key energy markets, our global research network provides an environment for innovation to flourish. In 2015, we were granted a record number of patents — 123 — by the United States Patent and Trademark Office, marking significant progress toward our vision of becoming a pioneer in technology development.

Global research network

📍 research center 📍 technology office





health, safety,
and environment:
protecting resources

Company scientist Dr. Tidjani Niass explains our mobile carbon capture device to Laurent Fabius, president of COP21, at the Paris conference.

Our desire for a prosperous tomorrow drives our commitment to continuously improve our health, safety, and environmental performance through innovative thinking, the creative application of technology, and setting new standards of excellence.

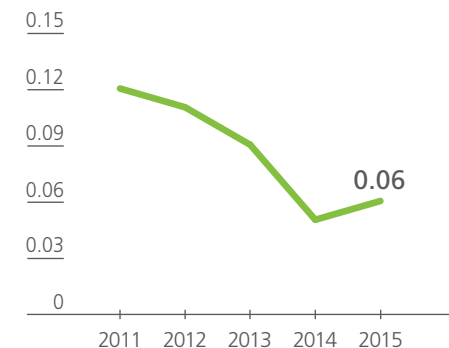
In 2015, **Johns Hopkins Aramco Healthcare (JHAH)**, our health care joint venture with Johns Hopkins Medicine, introduced new technologies and programs designed to enhance patient care and treatment. We also completed construction of the **Shamah Autism Center** in Dammam — the first multidisciplinary autism center for Saudi children in the Eastern Province.

We continued our efforts to improve road and traffic safety in the Kingdom. We drew more than 80,000 visitors to our traffic safety village in al-Khobar and opened a new traffic safety village in the city of Dammam. Our **Traffic Safety Signature Program** distributed materials to more than 4,900 schools, reaching 850,000 students.

We believe technology solutions offer the key to protecting the environment while sustaining the benefits derived from hydrocarbon resources. We launched a pilot program to **capture CO₂** and inject it underground to enhance oil recovery. Our efforts to capture CO₂ emissions are linked to the work being carried out by our global research network to reduce emissions — all part of our holistic approach to energy sustainability.

Lost-time injury rate

2011–2015
per 200,000 work hours



With other leaders in the energy industry, we supported the efforts of the **Oil and Gas Climate Initiative**, a collaborative effort that seeks to spur practical action in areas such as the role of natural gas, greenhouse gas reduction, and lasting energy solutions.

Improving air quality by lowering emissions is addressed through a number of initiatives, such as the installation of flare gas recovery systems and our **Flaring Minimization Roadmap**. As a result of these initiatives, our flaring levels are less than 1% of our annual gas production.

We continued to make progress on the construction of the **Shaybah Wildlife Sanctuary**. We finalized the design of our mangrove eco-park in Rahima Bay and deployed 728 artificial reef modules in 25 locations in the Arabian Gulf as part of a reef restoration program.



enabling opportunities:
our commitment
to the Kingdom

Our In-Kingdom Total Value Add program positions local content at the heart of our procurement process and will spur the growth of new jobs.

In 2015, we lived our belief that energy is opportunity by continuing to amplify the positive effects of our business activities for the benefit of the greatest number of people possible. We continued our legacy of contributing to the development of the Kingdom, enabling economic growth and diversification and promoting greater energy efficiency.

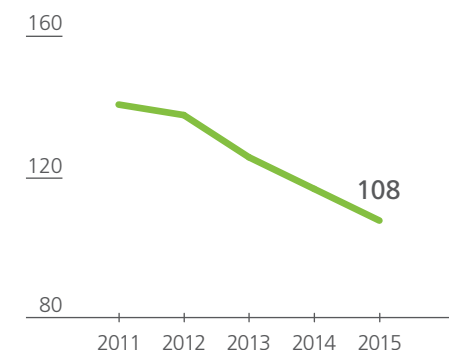
In December, we launched our **In-Kingdom Total Value Add** program, designed to double the production of locally manufactured energy-related goods and services contracted by Saudi Aramco to 70% by 2021. In 2015, we awarded 37% of our material procurement spending, worth \$2.1 billion, to local manufacturers while the value of our contracts awarded to local companies reached \$26 billion, representing 80% of our overall contract procurement.

We continued the development of the **Ras al-Khair Maritime Yard** near Jubail, a world-class ship repair and fabrication yard that will include facilities for building, repairing, and maintaining ships, offshore drilling rigs, and offshore platforms.

In 2015, we completed a program to replace more than 550,000 incandescent lights with efficient LED bulbs and also installed 8,000 LED street lights in company communities. We continued our program to install smart energy meters in homes and commercial buildings. The **energy efficiencies** gained in our homes and commercial buildings will save more

Energy intensity required to produce one barrel of oil equivalent

2011–2015
(thousands of Btu)



than 1 million barrels of oil equivalent per year, equal to avoiding more than 330,000 metric tons of CO₂ emissions each year, roughly the amount emitted by more than 60,000 cars in one year.

By improving our own energy efficiency, we create a model for others to follow. The shift to an energy efficiency culture within our company and in the Kingdom is at the core of our commitment to build a sustainable energy economy.

human resources: driving performance



In 2015, our workforce grew to an all-time high of 65,266.

We emphasize continuous development and skill building to drive performance through a wealth of courses, training centers, internships, and mentorship programs to pass on knowledge to the next generation.

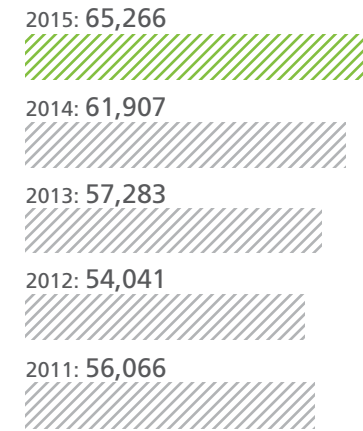
We launched an initiative to replace traditional text-based instruction in our **Apprentice Program for Non-Employees** with integrated smart learning environments centered on interactive engagement. In 2015, we rolled out five smart learning courses for roughly 3,000 of the more than 7,800 apprentices enrolled in the program.

In 2015, our **Upstream Professional Development Center** conducted more than 430 training sessions for 7,200 participants and facilitated 280 petroleum engineers receiving certification from the Society of Petroleum Engineers. The Center also commenced a systematic onboarding program, guiding 170 new employees in three cohorts through three 11-week sessions. More than 1,000 employees have participated in this program to date.

Overall, in 2015 more than 2,000 Saudi students sponsored by Saudi Aramco were studying in leading universities in North America, Europe, and Asia. The skills and experiences they gain help empower the next generation of our company's leadership.

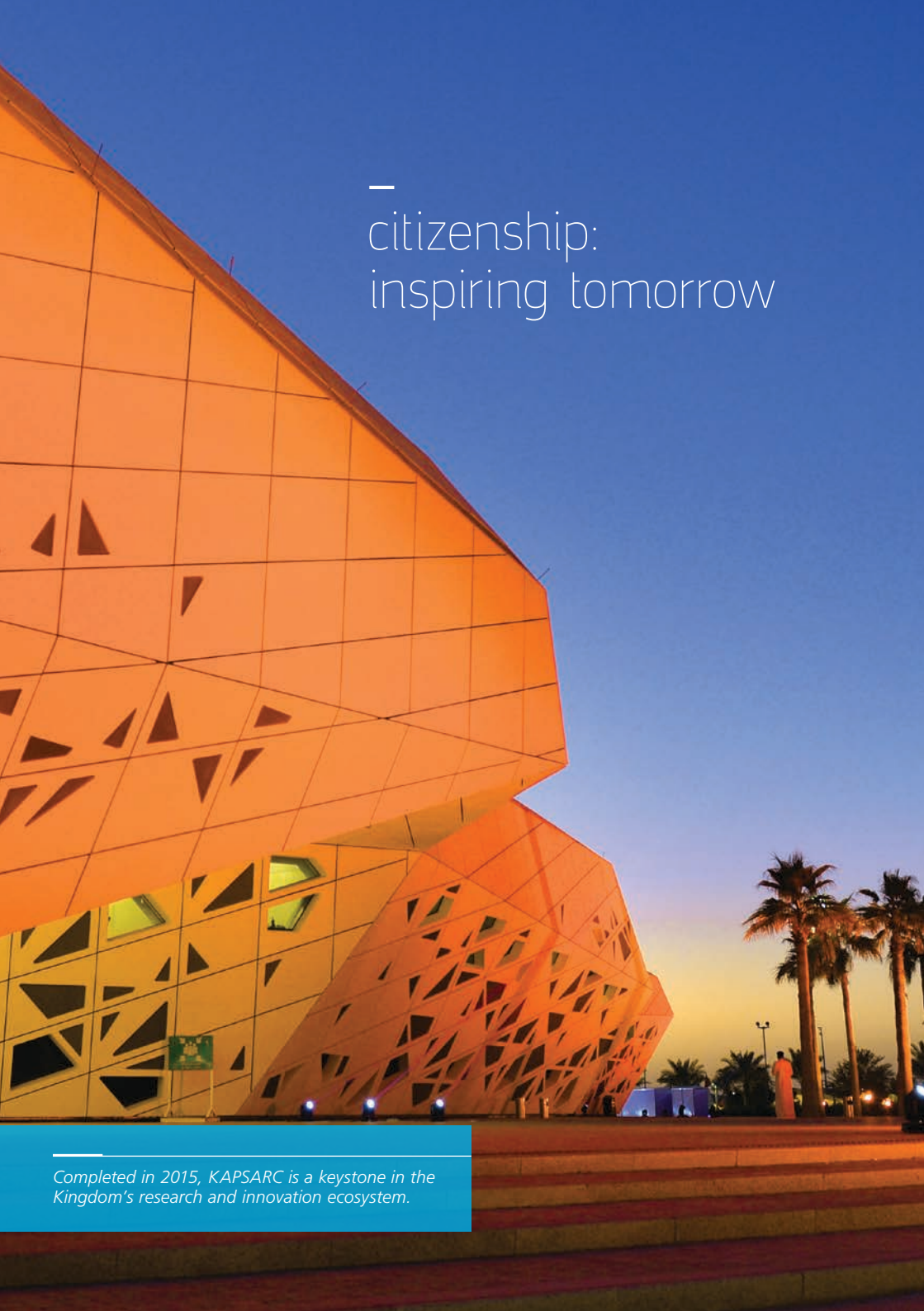
Workforce

2011–2015



In addition to sponsoring employees to study at overseas universities, we also offer a suite of academic programs from leading universities and training institutions tailored to meet our specific needs through our **Hosted University Program**. In 2015, we established two new master degree programs.

—
citizenship:
inspiring tomorrow



Completed in 2015, KAPSARC is a keystone in the Kingdom's research and innovation ecosystem.

We believe that by engaging with local communities across a spectrum of shared values, we aid the growth of sustainable and dynamic societies.

This belief is backed by our support of beneficial citizenship programs and initiatives and by the volunteer efforts of our people, inspiring brighter futures here in the Kingdom and around the world.

In 2015, we met key construction milestones for **The King Abdulaziz Center for World Culture**, and by the end of the year construction was 95% complete. During the year, we continued to prepare the Center for its opening while conducting outreach programs across the Kingdom.

Our suite of **iThra Youth** programs helped the next generation master the skills required to contribute to the country's scientific and economic development. The **iSpark** program, which offers hands-on workshops in advanced technology, science, and multimedia, reached more than 10,000 students.

The third edition of our **iRead** program, which cultivates a love of reading, knowledge sharing, and critical thinking, attracted more than 6,700 contestants. Three **iThra Lab** and **iThra Youth Forums** were held, attracting a total of 180,000 participants.

iDiscover impact

—
cities

12

—
teachers

2,000

—
students

15,500

—
learning hours

500,000+

FABLAB-Dhahran, located on the campus of the King Fahd University of Petroleum and Minerals, attracted more than 4,200 visitors and engaged nearly 1,400 participants at 252 workshops on topics such as 3-D printing, laser cutting, electronics, and robotics.

We continued to support enhancements to company built public schools by equipping them with modern technology, upgrading safety features, and improving energy efficiency. In 2015, we transformed more than 800 traditional classrooms in 77 elementary schools to "smart" classrooms, installed 258 high-efficiency air-conditioning units at 57 schools, and installed modern fire alarm systems at 25 schools.

2015 in numbers

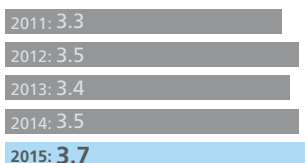
Crude oil and condensate reserves

(billions of barrels)

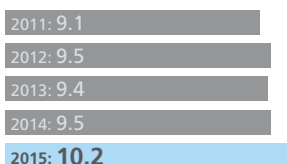


Crude oil production

(annual/billions of barrels)

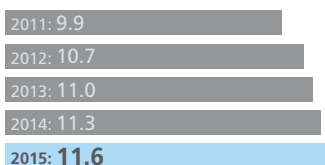


(daily/millions of barrels)



Raw gas processed

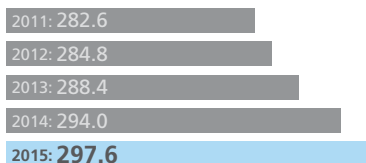
(billions of scfd)



Gas reserves

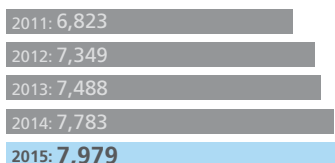
(associated and nonassociated)

(trillions of scf)

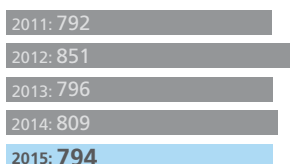


Sales gas and ethane produced

Sales Gas (millions of scfd)

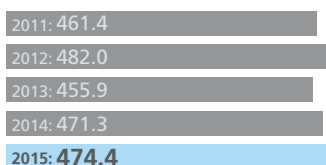


Ethane (millions of scfd)



NGL from hydrocarbon gases

(millions of barrels)



scf = standard cubic feet
scfd = standard cubic feet per day
NGL = natural gas liquids

Crude oil and refined products: production and exports (millions of barrels)

	2014	2015
Crude oil production, excluding condensate blended	3,480	3,708
Crude oil exports	2,544	2,603
Refined products production	566*	641
Refined products exports	168	232

NGL — production from hydrocarbon gases (millions of barrels)

	2014	2015
Propane	181.0	181.3
Butane	119.8	119.5
Condensate	83.5	83.1
Natural gasoline	86.9	90.5
Total NGL production	471.3	474.4

NGL — produced for sale (millions of barrels)

	2014	2015
Propane	167.5	165.5
Butane	97.8	96.9
Condensate	1.8	1.3
Natural gasoline	62.9	67.5
Total NGL sales	329.9	331.2

Sulfur recovery

(millions of metric tons)

2015	4.9
2014	4.4

Sulfur exports

(millions of metric tons)

2015	3.8
2014	3.6*

*Due to further data reconciliation, these figures have been revised.

Refining capacity *(thousands of bpd)*

FACILITY	Total Capacity	Saudi Aramco or Affiliate Ownership	Saudi Aramco Share of Capacity
Ras Tanura	550	100%	550
Riyadh	126	100%	126
Jiddah	78	100%	78
Yanbu'	245	100%	245
Petro Rabigh	400	37.5%	150
SAMREF — Yanbu'	400	50%	200
YASREF — Yanbu'	400	62.5%	250
SASREF — Jubail	300	50%	150
SATORP — Jubail	400	62.5%	250
Total domestic	2,899		1,999
Motiva — USA	1,070	50%	535
S-OIL — South Korea	669	63.4%	424
Showa Shell — Japan	445	14.96%	66.65
FREP — China	280	25%	70
Total	5,363		3,094.65

Chemicals production capacity *(kilotons per annum)*

PRODUCT GROUPINGS	In-Kingdom	Out-of-Kingdom	Total Capacity	Saudi Aramco Share*
Ethylene	1,300	1,100	2,400	763
Propylene	1,100	1,823	2,923	1,162
Paraxylene (Including Xylenes)	700	3,551	4,251	2,081
Benzene	600	1,268	1,868	912
Polyolefins	1,614	1,503	3,117	981
Others	1,316	1,775	3,091	1,117
Total	6,630	11,020	17,650	7,016

*Saudi Aramco's share of capacity is based on the percentage allocation of the capacity volumes based on the ownership structure in the respective entities. Saudi Aramco's share of Sadara is not included. Sadara was commissioned on December 5, 2015, but did not produce commercial volumes of chemicals by year-end.

Principal products manufactured at in-Kingdom refineries *(millions of barrels)*

2015	LPG	Naphtha	Gasoline	Jet Fuel/ Kerosene	Diesel	Fuel Oil	Asphalt & Misc.	Total
Ras Tanura	5.487	19.227	42.304	8.495	71.828	34.385	8.029	189.755
Yanbu'	3.461	3.8	10.485	(0.457)	34.037	35.110	—	86.436
Riyadh	2.11	—	11.379	3.95	21.249	0.026	7.184	45.898
Jiddah	0.714	2.54	3.738	(0.047)	2.922	7.790	6.383	24.040
Total domestic	11.772	25.567	67.906	11.941	130.036	77.311	21.596	346.129

Saudi Aramco Share *(millions of barrels)*

2015	LPG	Naphtha	Gasoline	Jet Fuel/ Kerosene	Diesel	Fuel Oil	Asphalt & Misc.	Total
SAMREF	(0.571)	—	23.766	9.882	21.147	14.310	—	68.534
SASREF	1.269	10.540	2.255	8.963	14.112	12.678	—	49.817
Petro Rabigh	0.969	6.181	4.566	4.204	9.051	11.565	—	36.536
SATORP	0.629	3.525	15.639	10.070	43.732	0.643	12.079	86.317
YASREF	—	—	14.222	—	35.505	—	4.684	54.411
Total share	2.296	20.246	60.448	33.119	123.547	39.196	16.763	295.615
Grand total	14.068	45.813	128.354	45.060	253.583	116.507	38.359	641.744

Negative figures primarily indicate products that were reprocessed into other refined products.

Principal products manufactured at in-Kingdom refineries *(millions of barrels)*

2014	LPG	Naphtha	Gasoline	Jet Fuel/ Kerosene	Diesel	Fuel Oil	Asphalt & Misc.	Total
Ras Tanura	4.993	14.967	43.884	7.753	76.135	32.486	7.155	187.373
Yanbu'	2.374	3.246	11.537	(0.354)	29.343	30.873	—	77.018
Riyadh	1.784	—	10.926	2.682	19.213	0.032	6.521	41.157
Jiddah	0.940	2.892	3.983	(0.039)	2.398	9.217	6.388	25.780
Total domestic	10.091	21.105	70.329	10.042	127.089	72.608	20.064	331.328

Saudi Aramco Share *(millions of barrels)*

2014	LPG	Naphtha	Gasoline	Jet Fuel/ Kerosene	Diesel	Fuel Oil	Asphalt & Misc.	Total
SAMREF	(1.091)	—	25.027	11.109	18.782	14.380	—	68.207
SASREF	1.330	11.693	2.216	9.411	14.221	13.280	—	52.151
Petro Rabigh	1.319	7.303	6.868	4.894	11.709	13.414	—	45.507
SATORP	1.303	3.941	11.130	8.238	31.576	7.485	—	69.027*
Total share	2.861	22.937	45.241	33.652	76.288	48.559	—	234.892*
Grand total	12.952	44.042	115.570	43.694	203.377	121.167	20.064	566.220*

Negative figures primarily indicate products that were reprocessed into other refined products.

*Due to further data reconciliation, these figures have been revised.

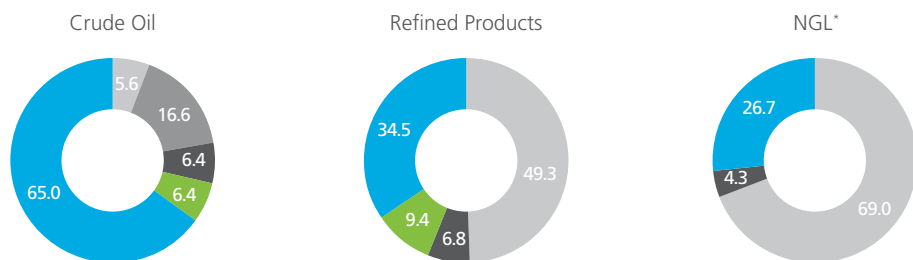
Domestic product sales by region *(millions of barrels)*

2015	Central	Eastern	Western	Total
LPG	2.095	7.513	5.806	15.414
Gasoline	71.873	41.014	93.511	206.398
Jet Fuel/Kerosene	9.632	3.011	18.723	31.366
Diesel	81.248	64.540	130.756	276.544
Fuel Oil	0.32	2.273	132.879	135.472
Asphalt & Misc.	7.59	12.401	11.126	31.117
Total	172.759	130.753	392.801	696.313

2014	Central	Eastern	Western	Total
LPG	1.785	7.377	5.346	14.509
Gasoline	70.359	38.919	83.018	192.296
Jet Fuel/Kerosene	8.820	3.141	15.837	27.798
Diesel	83.416	61.588	121.111	266.115
Fuel Oil	0.393	1.614	127.899	129.906
Asphalt & Misc.	6.810	10.422	11.359	28.591
Total	171.584	123.061	364.570	659.215

2015 exports by region *(percent)*

■ Far East
 ■ Northwest Europe
 ■ Mediterranean
 ■ U.S.
 ■ Other



*includes sales on behalf of SAMREF and SASREF

