The United States may lead the world in oil and gas production, but production cost still remains important. However, the risk of volatility in the oil and gas market remains due to the political environment and shifts in consumer demand. Despite the rise in alternative and renewable energy sources, natural gas represented 32% of electricity generation in 2017. Alternative fuel vehicles have become more popular, but approximately 88% of the light vehicle market in the US remains gasoline or diesel powered. Oil and gas remains extremely important to meeting energy demands in the US and we must take steps to protect our energy future. Siemens offers secure and robust digital solutions to help you remain competitive in this uncertain and quickly changing environment.

**Improve time-to-market to meet market demand.**

The ability to quickly tailor operations has become more crucial to achieve a competitive advantage. We provide a risk-free simulation environment for companies to test operations before commissioning through SIMIT, improving time-to-market. You can also efficiently and quickly share real-time operations data with authorized users and shorten project timelines with engineering tools like COMOS. Siemens has
the tools you need to establish
a digital twin and minimize
uncertainty while maximizing
profitability in operations.

Cut costs and maximize op-

erational efficiency.

According to the consulting
firm McKinsey & Company,
adopting digitalization can cut
capital expenditure by 20%,
with cuts to upstream operat-
ing costs of 3-5% and 1-3% in
downstream. Our open cloud-
based IIoT (Industrial Internet
of Things) platform, Mind-
Sphere, enables users to extract
optimal value from operations
with applications proving pre-
dictive maintenance, prescrip-
tive maintenance and data
analytics capabilities. You can
select from powerful apps de-
dsigned by Siemens or design
your own apps with Mind-
Sphere to generate actionable
insights using your operation’s
data. No matter how you decide
to setup your cloud environ-
ment with Siemens, we main-
tain the highest security stan-
dards from the communications
equipment to the software used
on the network so you can en-
joy the benefits of increased
operational efficiency in a safe
and secure environment.

Stay ahead of environmental
regulations with Siemens ana-
lytical products.

Growing concern over environ-
mental pollutants has led to
increased regulations for refin-
eries. Siemens has solutions
that will not only help refineries
comply with regulations but
also maintain the quality of
their product. Our portfolio of
analyzers and gas chromato-
graphs produces accurate mea-
surements for your processes
while Siemens Analyzer System
Monitoring (ASM) provides a
secure, centralized platform to
monitor all of your analytical
instrumentation and help man-
age KPIs. ASM can be integrat-
ed with MindSphere to enable
greater connectivity among
multiple sites in the enterprise.

With Siemens, you will be able
to maintain compliance with
government regulations and
securely manage production
quality.

Partner with Siemens to build
your digital enterprise.

Wherever you are on the path
to digital transformation, we
will build a personalized road-
map for your company to help
tackle the challenges of today
and the future. We can provide
comprehensive solutions with
your company’s specific needs
in mind, and our digitalization
consultants are ready to iden-
tify digital solutions to enhance
your competitive advantage.
Partner with us today and begin
building your digital enterprise.