UOP
A Honeywell Company



Meet Regulatory Compliance And
Turn Underutilized Assets Into Profit With

RENEWABLE REVAMPS

REVAMP YOUR REFINERY WITH THE UOP RENEWABLE JET FUEL™ PROCESS

Refineries that revamp using the UOP Renewable Jet Fuel process turn waste feedstocks into high-quality renewable diesel or renewable jet fuel, resulting in a stream of additional profits without high capital investment costs. In addition, the production of renewable fuel helps these companies lower their compliance costs.

ENHANCED FUEL POOL

The unique UOP Renewable Jet Fuel process efficiently converts waste feedstocks, non-edible fats, oils and greases into a high-performing, renewable diesel or jet fuel. That's a huge return from feedstocks that were previously mere waste materials.

Honeywell Green Diesel™ produced by the process has a cetane value of 80 — much better than the cetane value of traditional diesel, meaning better operating efficiency. Unlike biodiesel, renewable diesel produced using the UOP process is chemically identical to petroleum-based diesel and can be used as a drop-in replacement in vehicles with no modifications required. Refineries can expand the diesel pool by blending this high-quality supply with lower-quality blendstocks. Additionally, Honeywell Green Diesel is compatible with existing fuel distribution and delivery infrastructure.

Honeywell Green Jet Fuel™ has shown less emission of particulate matter and higher energy density in flight, allowing aircraft to fly farther on less fuel. When blended up to 50% with petroleum-based jet fuel, this super efficient fuel offers significant advantages over traditional fuel. It's a drop-in replacement that requires no changes to aircraft technology or fuel infrastructure, and it meets or exceeds critical jet fuel specifications.

MEETING ENVIRONMENTAL CHALLENGES

In addition to increasing profits and lowering the cost of meeting today's compliance requirements, creating renewable fuels using the UOP Renewable Jet Fuel process is simply the right thing to do. Greenhouse gas emissions from the renewable diesel and renewable jet fuel are up to 85% lower than fuel from petroleum.

NOT LIMITED TO REVAMPS

Revamping with the UOP Renewable Jet Fuel process gives refineries a new income stream with capital costs much lower than building a new unit, but the technology also offers advantages for new refineries. Foremost is that the process begins turning waste feedstocks into renewable fuels right from the start for an immediate return. Compliance costs are also reduced right away.

Simply put, whether you wish to increase profits at your current refinery or you're planning to add a new unit, the UOP Renewable Jet Fuel process will increase production, lower compliance costs and deliver long-term profits that aren't subject to the wild swings of crude oil prices.

REVAMP FOR LESS THAN

1/3

of the capital investment of a new plant

Making renewable fuels dramatically cuts compliance costs – save

$40-100

PER BARREL

for payback in just 1 to 3 years*

*depending on market conditions

INTERESTED IN DISCUSSING RENEWABLE REVAMPS WITH A UOP EXPERT?
Visit: **www.uop.com/contact**

More Information Available

To learn more about UOP renewable fuel technologies, visit www.uop.com/renewables.

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