Challenge
An Oklahoma refinery required a flowmeter for a finished product line leaving the refinery site. When the local Siemens representative visited the site, it was determined there simply wasn’t enough straight run of pipe to install the Siemens clamp-on check meter/interface detector that the company had already standardized on.

Solution
The customer chose to install a couple of the SITRANS FUT1010 ultrasonic clamp-on spool-type flowmeters from Siemens instead. The improved accuracy provided by the spooled version, along with the need to bring the pipe above grade, made it an easy choice to go with this latest Siemens offering. The customer likes the fact that, with all of the Siemens clamp-on flowmeters, there is no need to shut down the flow should they ever need to replace a transducer.

Given the high accuracy of the liquid SITRANS FUT1010 flowmeter, it is well-suited for the customer’s pipeline monitoring tasks. It provides operators with real-time flow information so they can determine the media conditions in the pipeline and become immediately aware of any changes. The SITRANS FUT1010 flowmeter supports the operators in making informed decisions about the pipeline operation, and helps to maximize delivery and performance control.

Benefits
- **Local Service and Support**
  Sales and support are available in your neighborhood. Our extensive global coverage means you get sales and support when and where you need it.

- **Meets Performance Requirements for Custody Transfer**
  Since the SITRANS FUT1010 flowmeter comes with the TransLoc™ mounting system that allows laboratory calibration, the flowmeter meets the performance requirements of the OIML R117, API and AGA standards. This makes it the perfect match for any liquid or gas custody transfer application in the hydrocarbon upstream, midstream and downstream segments, whether it is from a pump station, distribution line, refinery or production facility.

- **Cost Savings**
  Because the transducers mount on the outside of the pipe, there is considerable cost savings by not having to shut down the flow in the event there is ever a need to replace one of those transducers.
About the SITRANS FUT1010 Ultrasonic Flowmeter

The SITRANS FUT1010 liquid flowmeter is the perfect match for the hydrocarbon industry. Featuring the WideBeam ultrasonic transit time technology, it achieves highly accurate flow measurement.

With the TransLoc™ mounting system, the transducers are permanently mounted on the outside of the sensor, preventing contact with the medium. The result is custody transfer accuracy, no cavities or clogging by high paraffin liquids found in many hydrocarbon installations, and measurement of viscosities up to 2800 cSt.

The SITRANS FUT1010 is available in dual, three and four channel configurations. There are two enclosures to choose from: wall mount and wall mount explosionproof. Application examples include custody transfer, pipeline balancing and refinery blending.

Typical liquid applications include:

- **Pipelines**: Allocation, line balance, interface detection, density/densitometer reading
- **Terminals**: Check metering, transmix metering, product identification
- **Refineries**: Process control, blending, tank measurement, ship loading and unloading
- **Transportation**: Crude oil pipelines, LPG pipelines, refined product pipelines