

LUVIS PROJEKT d.o.o.

COMPANY PROFILE

Luvis projekt d.o.o. is privately held company from Zagreb, Croatia.

We are specialized for engineering and system integration in:

- Oil & Gas
- Petrochemical
- Energy

Key personnel have over 25 years' experience in international business and Corporations (Fisher-Rosemount and Siemens Oil&Gas).

We are flexible company, customer oriented, result driven and we can offer various solutions, especially for Oil & Gas.

We can offer following services:

- Software Solutions for Oil & Gas
- Metering Stations
- Multi Phase Flow Measurement (MPFM)
- Analyzers
- Corrosion Mitigation Solutions
- Consultancy and Engineering
- Project Management

Our approach is to find and engineer the best solution for our customer which will meet his technical/technological and commercial expectations.

We always offer optimal solution, tailor made for the customer.

That is the reason that we are vendor independent.

Even we prefer some manufacturers, we will never insist on product which is not best solution for customer.

We stay with our customers and support them after projects are finished.

Key success factor to understand customer needs is to listen customer and be close to the customer.

That is the reason why we open office in Minsk, Belarus.

In first place we have sales function but with more projects in realization we will have also local engineering.

Company was founded in 2010. and has Headquarter in Zagreb, Croatia, EU.

Now we have Representative Office in Minsk, Belarus.

This year we are working to open Representative Office in ASEAN area.

PIPELINES, TANK STORAGES AND TERMINALS:

Our premium product is BTMS - platform for planning and integration business and technological processes in the pipelines, tank storages and terminals

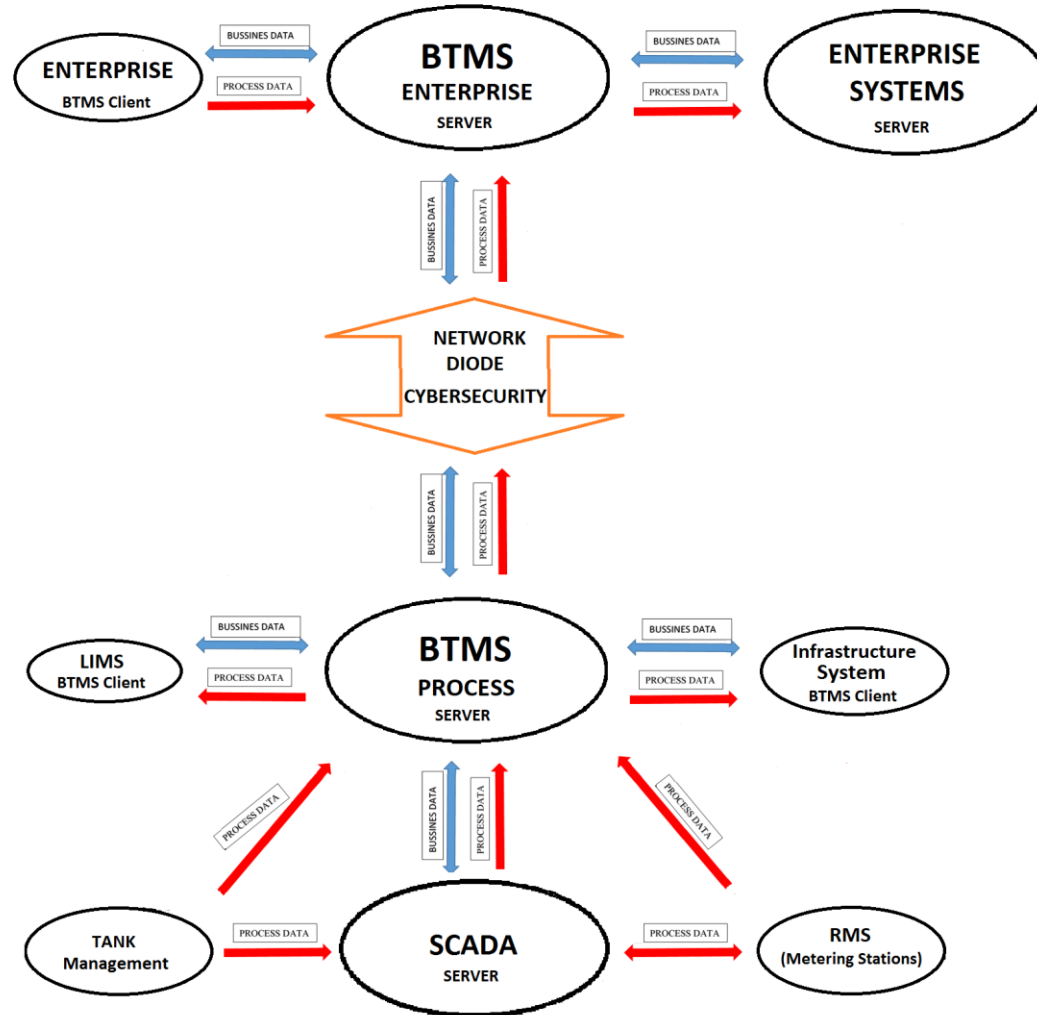
His task is exchange data between SCADA/DCS system and other business processes in the Pipelines.

BTMS gives to all relevant people all necessary technological and business data what they need in the real time (tank volumes, active and non-active batch) and from that reason it is excellent tool for preparing and distribute all kinds of reports.

MAIN MENU



ARCHITECTURE



BTMS has proactive capabilities and doing future planning and simulation in several scenarios for hydrocarbon movement and storage.

BTMS is self-learning software and helping users proactively in their decisions with predictive and prescriptive modules by knowledge collected from the past data and experience.

LDS (Leak Detection System) and Batch Tracking Module is also included, as well as Mass Balance Module.

BTMS can run on premise and on MS Azure and other Cloud platforms.

METERING STATIONS:

We have 25 years of experience as independent System Integrator for Metering stations.

Our Solution includes quantity and quality measurement of Hydrocarbons, integration in SCADA, BTMS, SAP, MS Azure and other business software and Clouds.

We have solution for high capacity, high viscosity and multiproduct measurement, onshore and offshore, loading and unloading.

We can do skid delivery, on site installation and retrofit of existing Metering Stations.

Our Metering Station has NMI EU-Type Examination Certificate

METERING STATIONS BEFORE REWAMP:



METERING STATIONS AFTER REWAMP



BENIFITS

- Increased capacity and accuracy in volume, density, viscosity and mass and sampling
- High Viscosity Crude Oil (up to 400 cSt)
- Full in line solution or traditional Fast loop solution
- Less maintenance costs
- In line Water Cut measurement and Corrosion monitoring
- In Line Crude Oil Analyser

EMPOWER YOUR METERING STATIONS WITH INTELLIGENCE

Business and Technology Metering System (BTMS) empower Metering Stations with AI, IIOT and Cloud features and integrate them in other Systems as SAP, MS Azure Cloud, SCADA Systems and DCS Systems.

With BTMS, Metering Stations became part of Sales and Marketing Tool from planning to delivery and part of whole Supply Chain (Exploration, Transport, Storage, Trade and Refining).

Terminal Automation System - TAS

Product Storage Management



- Archive,
- Trending,
- Alarms,
- Hystory Analitics

Truck Loading Management



- Customer Data Exchange
- Truck Load Management
- Reporting

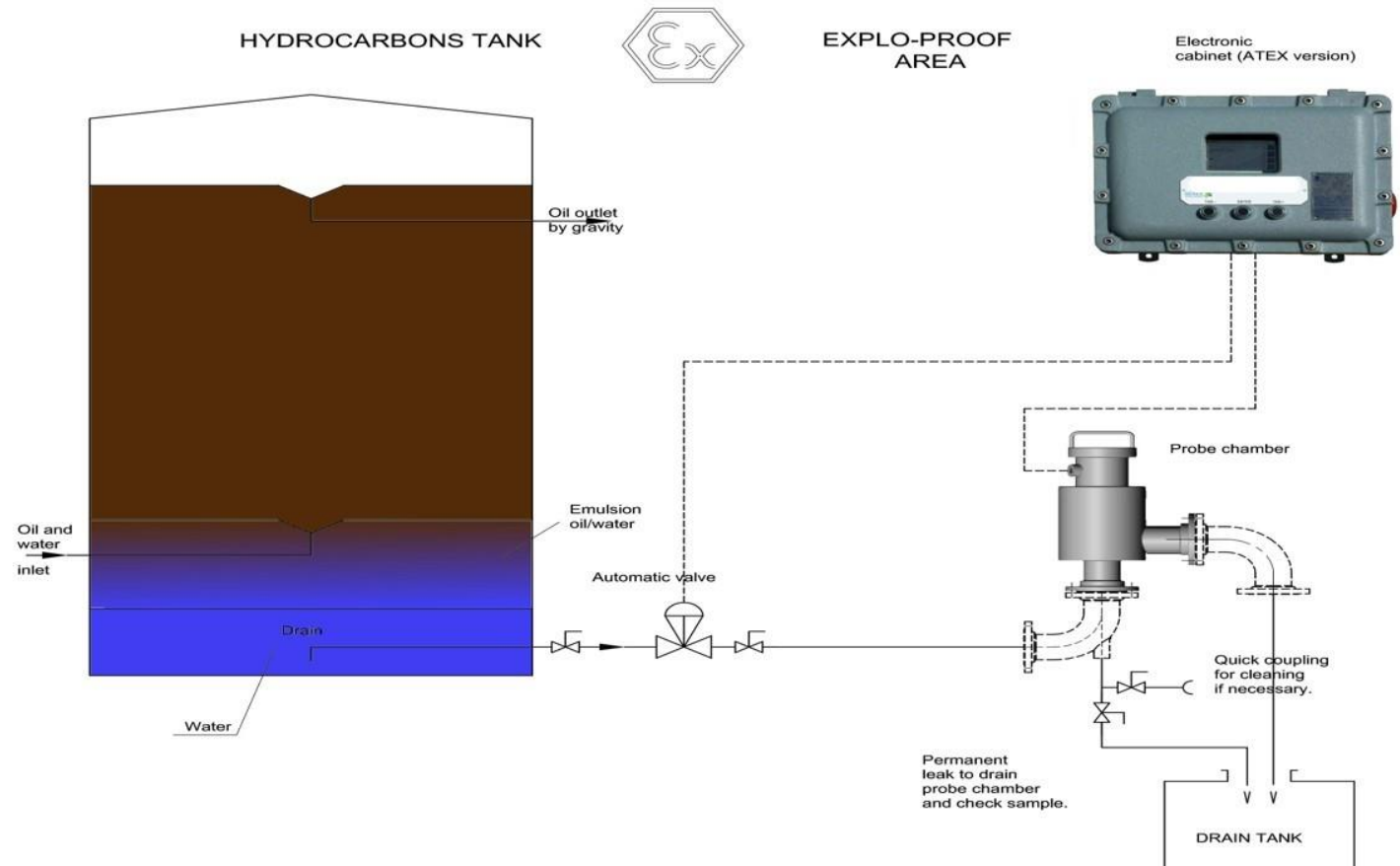
Truck Traffic Management



- Truck Registration
- Terminal Entrance



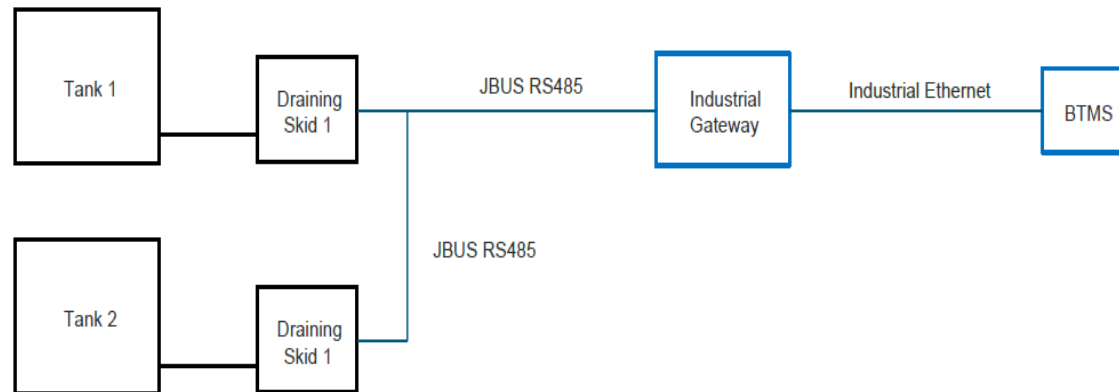
AUTOMATIC DEWATERING AND ROOF RAIN DRENAGE CONTROL FOR HYDROCARBON TANK



The system has two modes of operation:

- *Bottom tank drainage*
- *Rainwater drainage from the roof of the tank*

The mode and algorithm of work are set on the BTMS system.



Corrosion measurement and management on plants

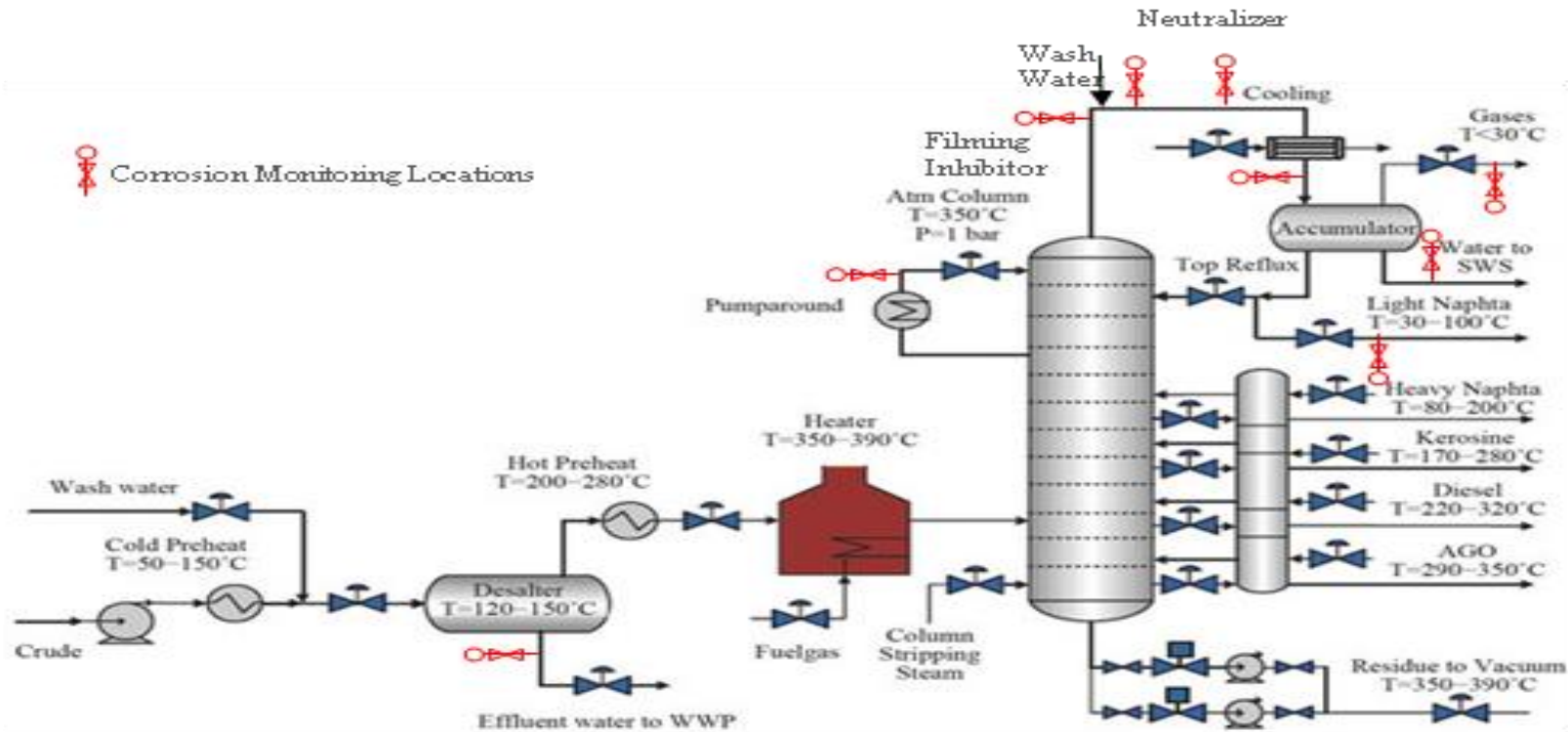


Fig. - 7 Typical Corrosion Monitoring Locations in Crude Distillation Tower Overhead System

MS2801E CORRVELOX ER TRANSMITTER WITH EXTREMLY HIGH RESOLUTION

- 20-bit resolution
- All types of probes
- Atex certified



Figure 1: CorrVelox MS2801E Ultra Resolution ER Transmitter

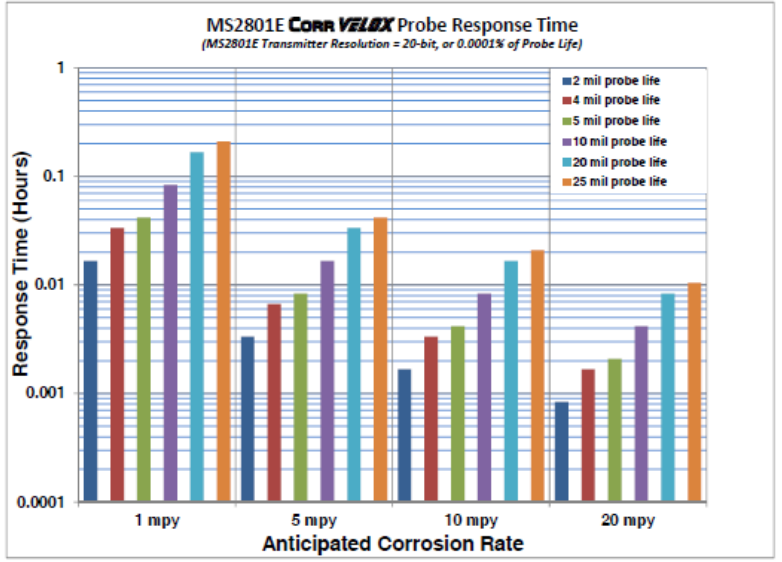
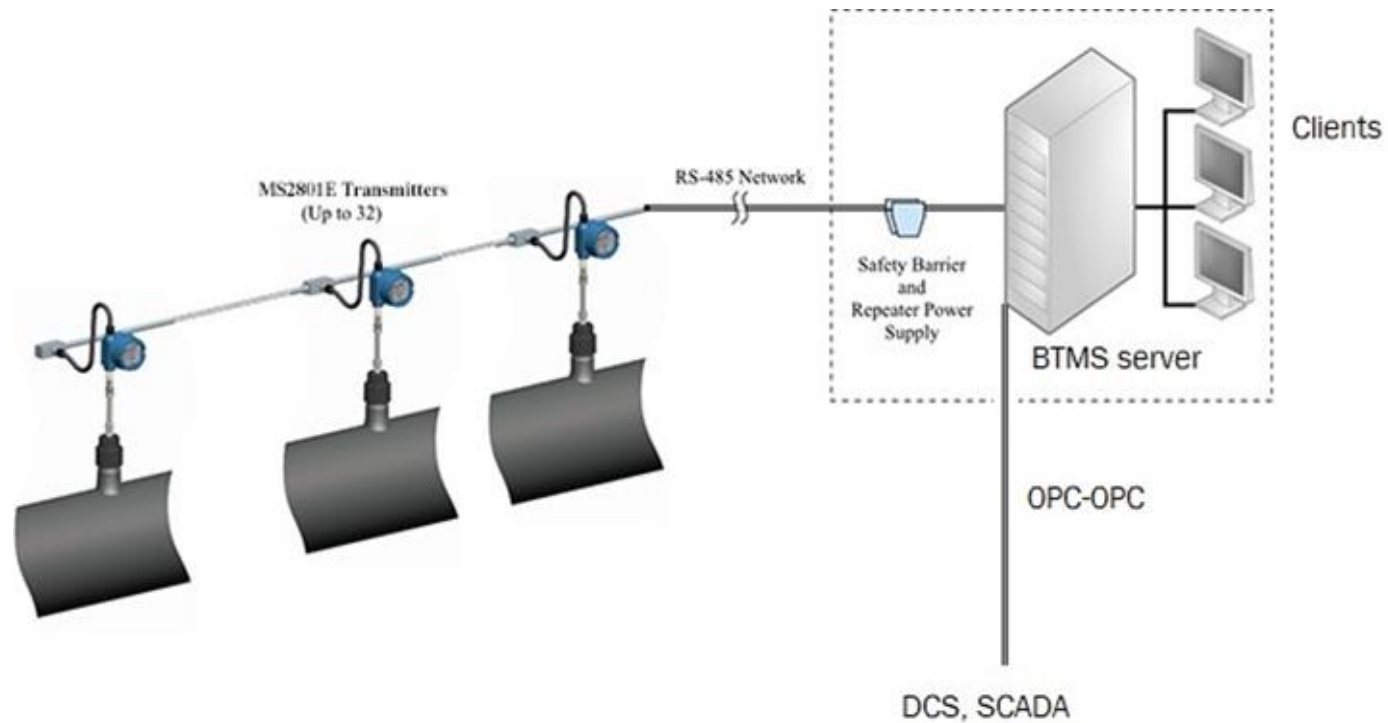


Figure 4: CorrVelox MS2800 transmitter response time

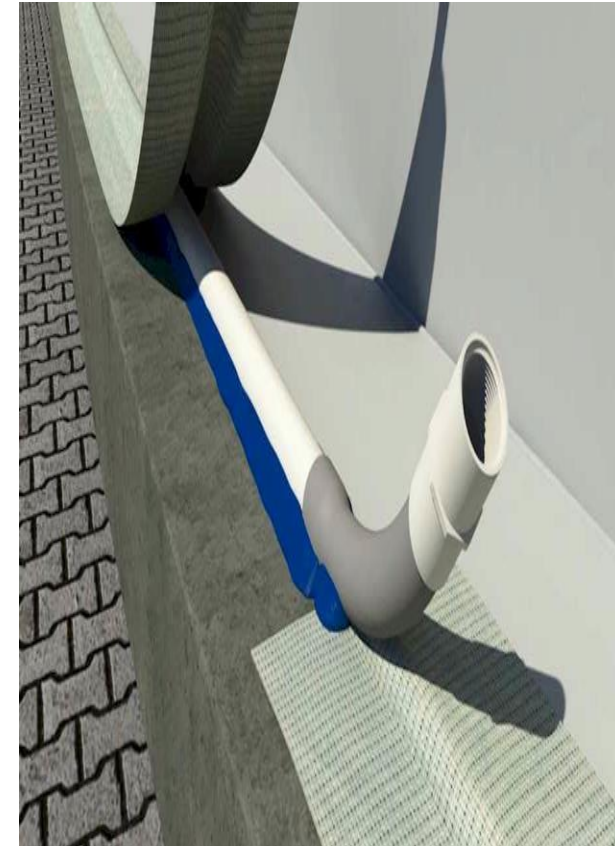
BTMS System connection



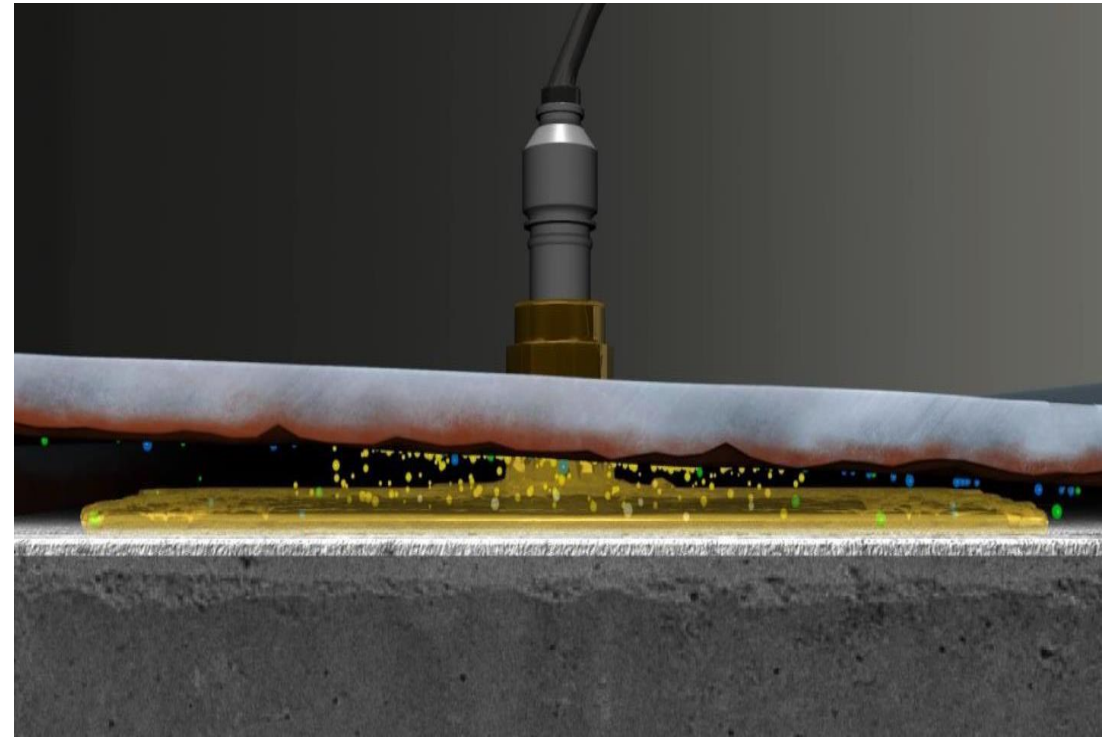
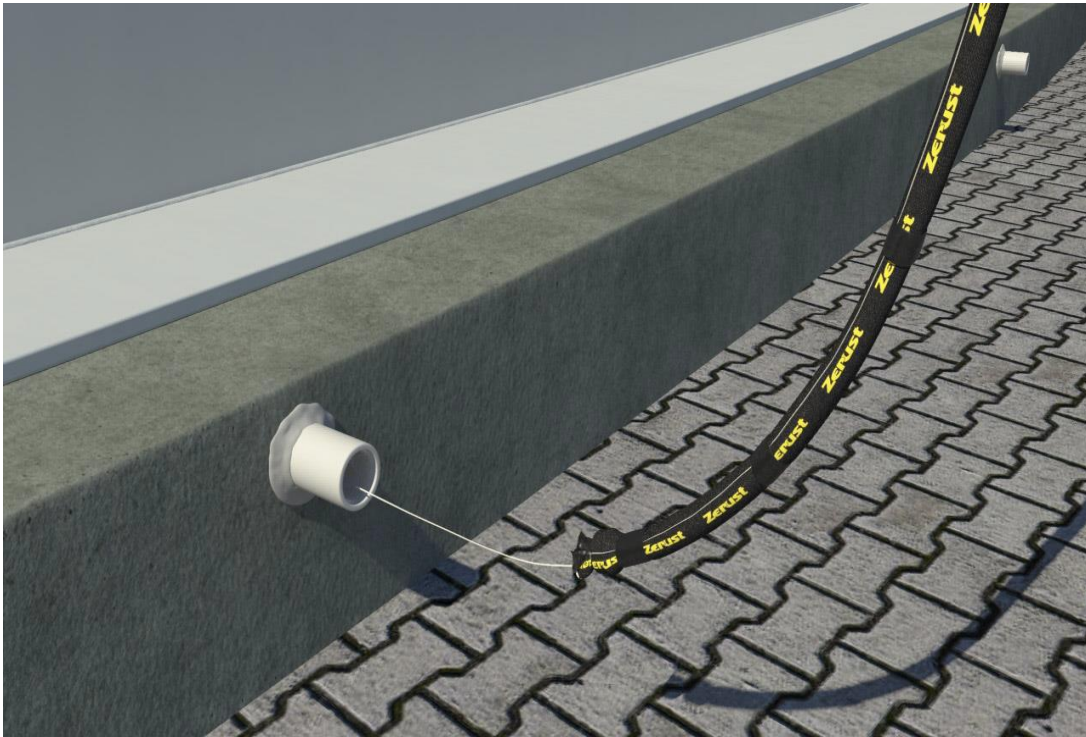
Corrosion Protection of Storage Tank Soil Side Bottoms with Volatile Corrosion Inhibitors

- A special class of corrosion inhibitors, volatile corrosion inhibitors (VCI) have been used since 1993 to mitigate corrosion for the soil side bottom of the storage tank
- The VCI inhibitor can be delivered when the tank is in or out of service
- The VCI can provide corrosion protection in both immersion and the airspace, thus providing corrosion protection in the areas where CP won't work
 - Hard pad (concrete or asphalt)
 - Nonconductive liners
 - Double bottom tanks (sand layers less than 12")
 - High resistivity soil

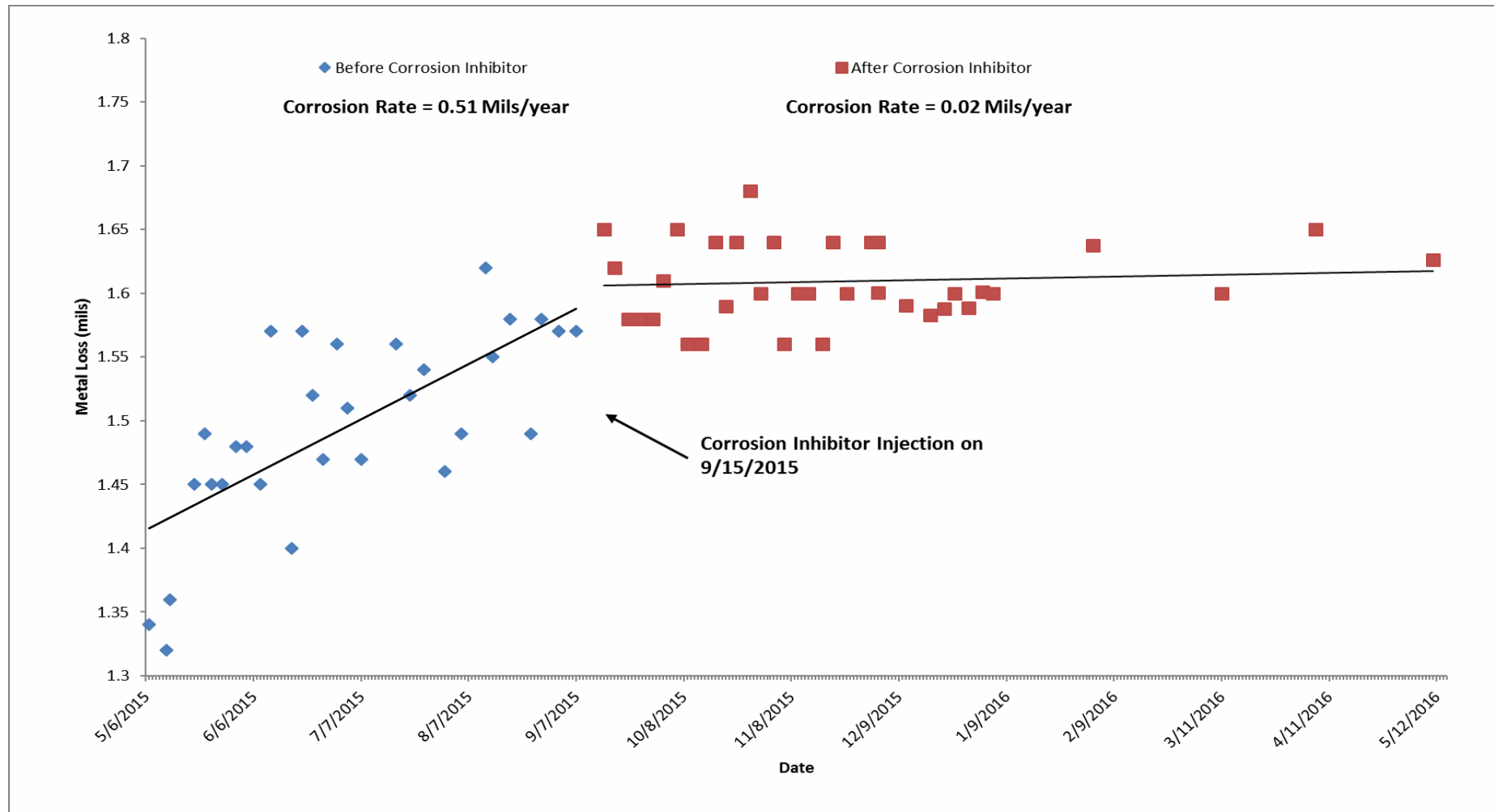
Methods for Installation of VCI and ER probe



Methods for Installation of VCI

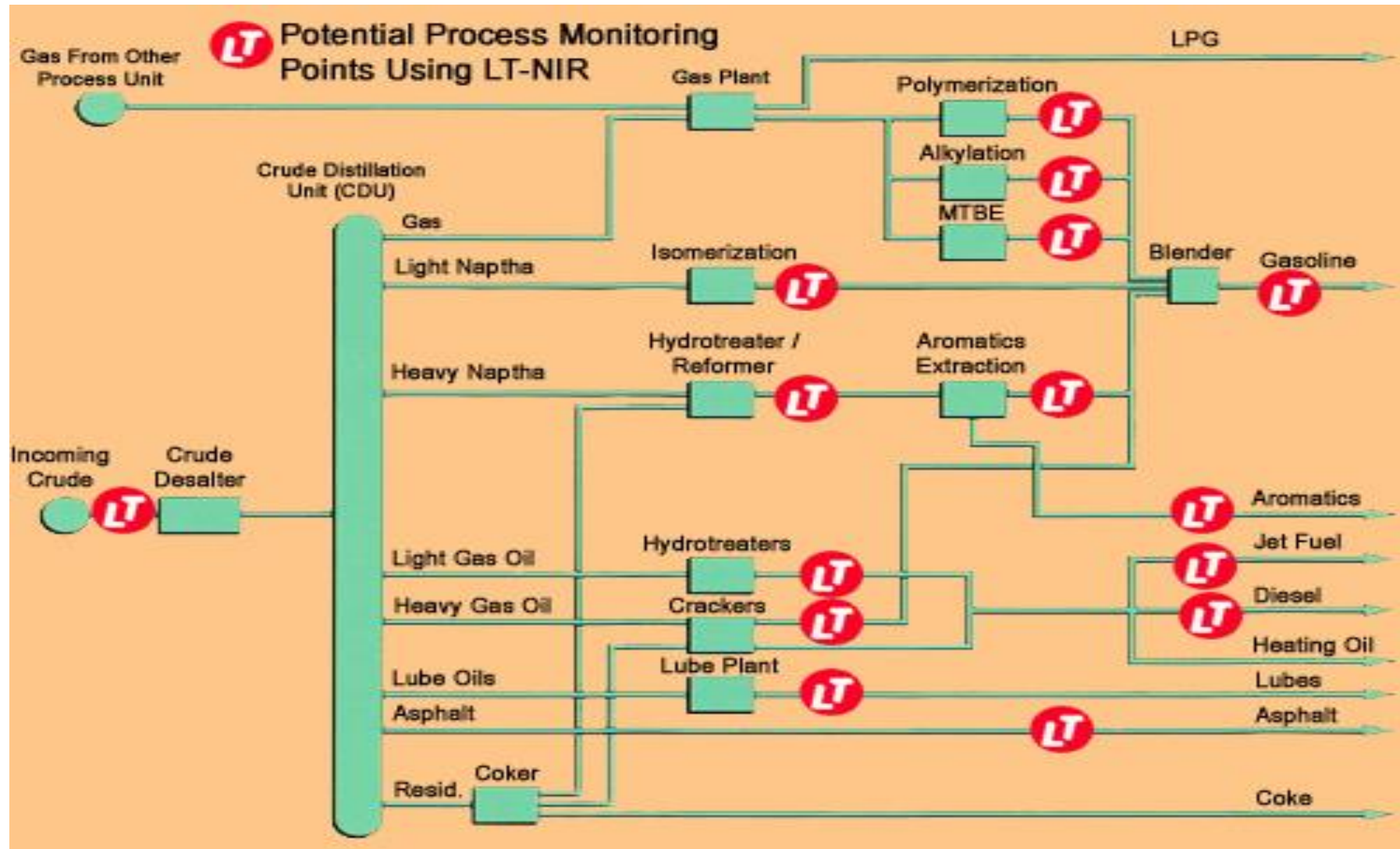


Benefit of VCI



Analyzers

- **Crude Oil** - Measure incoming crude oil RVP, Acidity, Viscosity, Water, Density, and much more. Optimize Crude Oil refining processes such as Crude Distillation Units (CDU's)
- **Gasoline and Diesel Blending Control** - LT-NIR has helped minimize Octane 'Give-A-Way' and other quality parameters with automated online measurement of Gasoline Blending.
- **Fuel Property Measurement** - Provides online measurement of Octane, RVP, Distillation Profile, Aromatics, Benzene, Additives and more.
- **Naptha Cracking** - Measure and optimize Catalytic and Steam Crackers by measuring properties such as PIONA, Benzene, and Density.
- **Aromatics** - Measure Xylene (o-, p- and m-) concentrations to optimize the Isomerization Process. Measure Benzene and Toluene concentrations.
- **Reformer** - Measure High and Low RON, **MON and PON** online



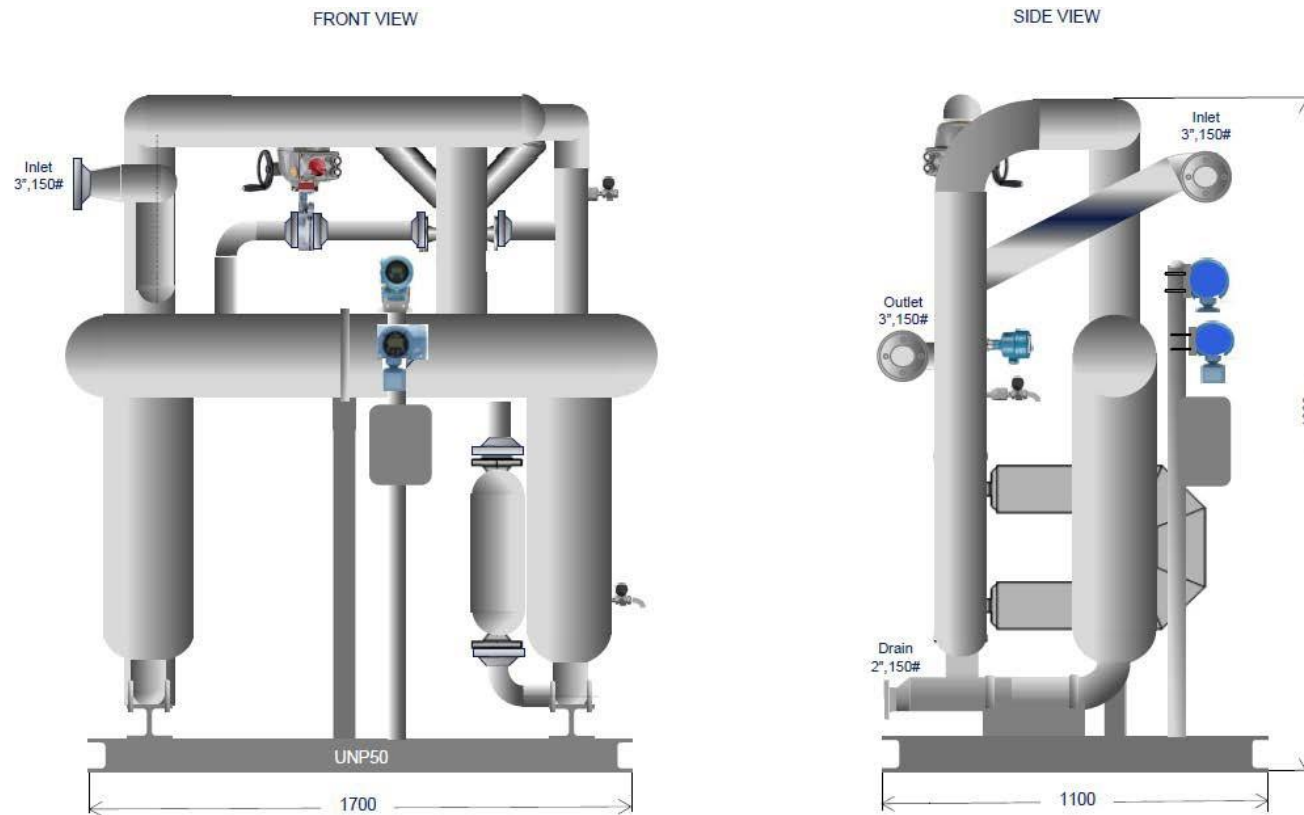
Online Crude Oil Testing



Online Gasoline Blending



MPFM – Multiphase Flow Measurement:



Skid Design

Control Software

Measured
Variables
Outputs

Phase Measurement Software

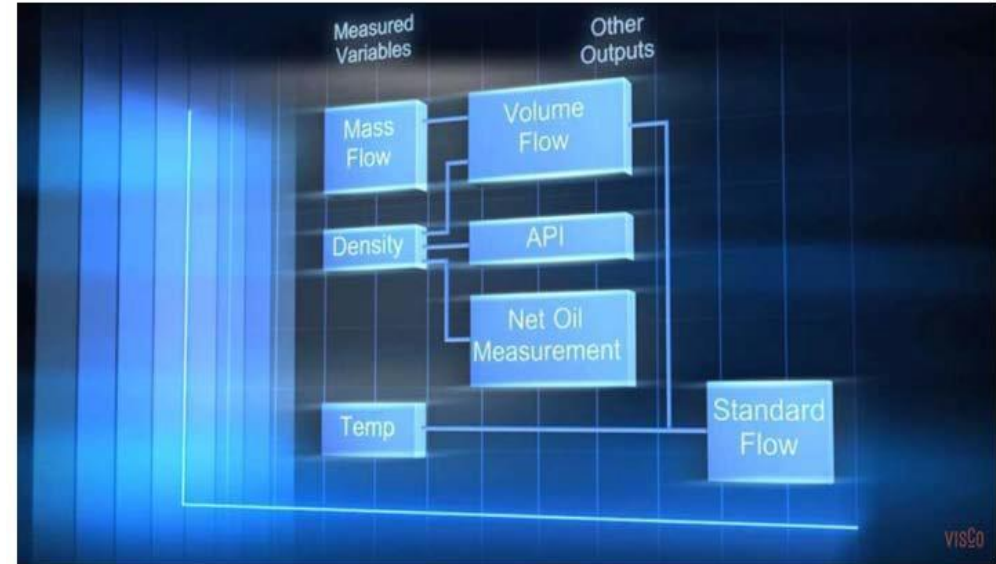
Liquid with

Gas Net Oil

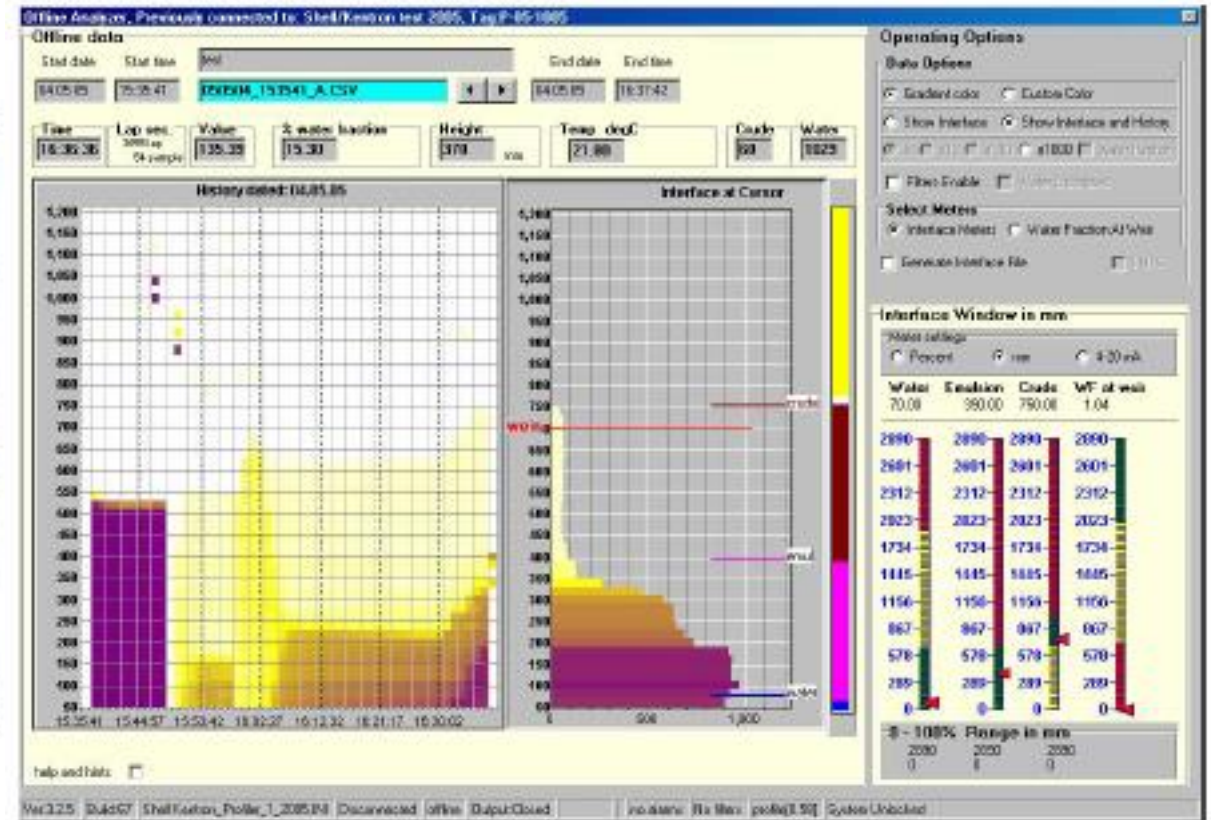
Gas with Liquid

Recalculation based on new
samples Separation quality
control

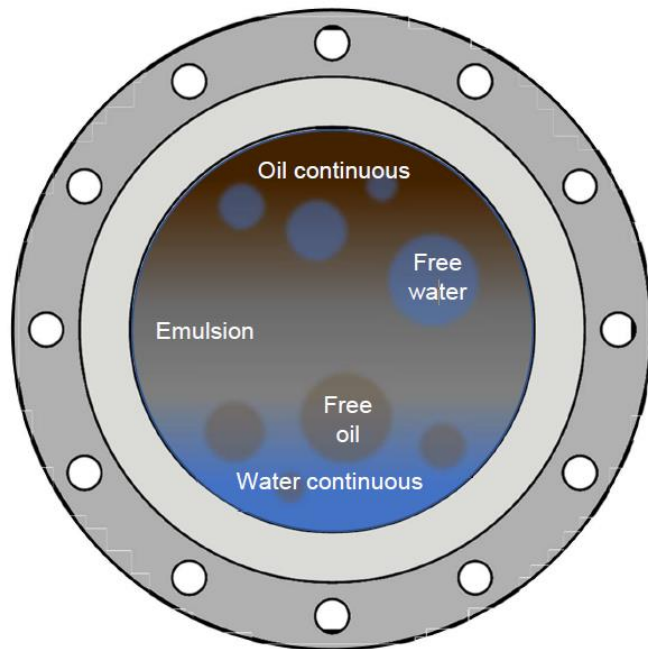
Optional automatic sampling system for liquid
and/or gas Optional CO₂ analyzer for EOR
application



Separator Level profiler



Water Cut measurement



REFERENCES:



PARTNERS:



PARTNERS:

Seres OL

 VERUM
analytics  INDUSTRIES

CAMTECH

Metal
Samples 

Sentech AS

Zerust[®] OIL & GAS
WORLDWIDE CORROSION SOLUTIONS

CERTIFICATES:

Сертификат HR192418

Система менеджмента



LUVIS PROJEKT d.o.o.
 Вукачића 12, 10000 Загреб, Хрватска

Дела описана у сертификату обухватају следеће послове:

ISO 9001:2015

Дела описаног обухватају:

Разработка систем, пројектовање и системска интеграција,
 Развој, увођење и спровођење програмског осигурања.

Наставци сертификата дејствителни с 30 септембра 2019 го 29 септембра 2022
 при потврди надзорним аудитима.
 Ресертификациони аудит мора бити обављен 15 дана при истеку
 валидности.
 Выпуск 1. Сертификовано с септембра 2019.

Уговорни број: 17021-HAA 4092





Maliković D.

SGS Malaković d.o.o., Certificator of Business Enhancement
 Кошарица II, 10000 Загреб, Хрватска
 t: +385 1 57 40 55 f: +385 1 57 40 55 www.sgs.com




Сертификат HR192412

Система менеджмента



LUVIS PROJEKT d.o.o.
 Вукачића 12, 10000 Загреб, Хрватска

Дела описана у сертификату обухватају следеће послове:

ISO 14001:2015

Дела описаног обухватају:

Разработка систем, пројектовање и системска интеграција,
 Развој, увођење и спровођење програмског осигурања.

Наставци сертификата дејствителни с 30 септембра 2019 го 29 септембра 2022
 при потврди надзорним аудитима.
 Ресертификациони аудит мора бити обављен 15 дана при истеку
 валидности.
 Выпуск 1. Сертификовано с септембра 2019.

Уговорни број: 17021-HAA 4092





Maliković D.

SGS Malaković d.o.o., Certificator of Business Enhancement
 Кошарица II, 10000 Загреб, Хрватска
 t: +385 1 57 40 55 f: +385 1 57 40 55 www.sgs.com




Сертификат HR192415

Система менеджмента



LUVIS PROJEKT d.o.o.
 Вукачића 12, 10000 Загреб, Хрватска

Дела описана у сертификату обухватају следеће послове:

BS OHSAS 18001:2007

Дела описаног обухватају:

Разработка систем, пројектовање и системска интеграција,
 Развој, увођење и спровођење програмског осигурања.

Наставци сертификата дејствителни с 30 септембра 2019 го 12 марта 2022
 при потврди надзорним аудитима.
 Ресертификациони аудит мора бити обављен 15 дана при истеку
 валидности.
 Выпуск 1. Сертификовано с септембра 2019.

Уговорни број: 17021-HAA 4092





Maliković D.

SGS Malaković d.o.o., Certificator of Business Enhancement
 Кошарица II, 10000 Загреб, Хрватска
 t: +385 1 57 40 55 f: +385 1 57 40 55 www.sgs.com




CERTIFICATES:

Сертификат HL2018581

Система менеджмента




LUVIS PROJEKT d.o.o.
Buzanova 12, 10000 Zagreb, Croatia
Была оценена и признана соответствующей требованиям

ISO/IEC 27001:2013
Для стандарта объектов информации

Системное проектирование, инженерно-технические работы и интеграция систем.
Разработка, внедрение и сопровождение программного обеспечения

Оценивается в соответствии с Заявлением о применимости от 11 ноября 2019 г.

Настоящий сертификат действителен с 3 января 2020 по 5 января 2023 по подтверждению надзорным аудитом. Ресертификационному аудиту Муста Биши объявлен 15-дневный период аванса заплотности.

Выпуск 1. Сертифицировано с января 2020

Издано по:




SGS U.K. Ltd. Kington Hill,
Rugby Business Park, Kington Hill, Coventry, CV3 9EF, UK
T +44 (0)1827 206000 F +44 (0)1827 206000 www.sgs.com

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Page 1 of 1



Сертификат HR132414

Система менеджмента




LUVIS PROJEKT d.o.o.
Buzanova 12, 10000 Zagreb, Croatia
Была оценена и признана соответствующей требованиям

ISO/TS 29001:2010
Для стандарта объектов информации

Разработка систем, проектирование и системная интеграция.
Разработка, внедрение и сопровождение программного обеспечения.

Настоящий сертификат действителен с 30 сентября 2018 по 29 сентября 2022 по подтверждению надзорными аудитами. Ресертификационному аудиту Муста Биши объявлен 15-дневный период аванса заплотности.

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Издано по:




SGS Kroatija d.o.o. Caribrod, 44114 Krapina, Brijuni put
Cetinjska 41, 10000 Zagreb, Croatia
T +385 113 40 361 F +385 1140 9122 www.sgs.com

Страница 1 из 1



СИСТЕМА ДОБРОВОЛЬНОЙ СЕРТИФИКАЦИИ «ГЛОБЕСРТ»
включена в единый реестр зарегистрированных
систем добровольной сертификации
Регистрационный номер: РОСС RU.31473.04ИДРО

**Общество с ограниченной
ответственностью
«Глобал Эксперт Групп»**

СЕРТИФИКАТ соответствия

Настоящий сертификат удостоверяет, что система менеджмента качества

**Общества с ограниченной ответственностью
«LUVIS ПРОЕКТ»**

Адрес: Республика Хорватия, 10000, г. Загреб, ул. Бузанова, д. 12

Была оценена и признана соответствующей требованиям стандарта

ГОСТ Р ИСО/ТУ 29001-2007

Применительно к проектированию, разработке и реализации инженерных проектов и систем интеграции в нефтяной, газовой, нефтехимической и энергетической отраслях

Сертификат выдан: 05.09.2019 года
Организация сертифицирована с: 05.09.2019 года
Дата окончания действия сертификата: 05.09.2022 года



Номер сертификата: OMS-0578-0819



Генеральный директор
ООО «Глобал Эксперт Групп»
А.Г. Лебедев

Общество с ограниченной ответственностью «Глобал Эксперт Групп»
190358, Россия, г. Санкт-Петербург, ул. Гансгольца, д. 24, литер А, Команда №1-Н
Тел.: +7 (812) 610-45-45 Сайт: gexperts.ru E-mail: info@glbe.ru

YOUR RELIABLE PARTNER

Почтовый адрес и местонахождение Представительства в Республике Беларусь:

220053, г.Минск, ул. Орловская, д. 40, оф. 316.

Тел: +375(29)640-52-11

e-mail: svetlana.gaidash@luvis.hr