

INNOVACIÓN Y TECNOLOGÍA INNOVATION & TECHNOLOGY

Planes de Sostenibilidad 2019

2019 Sustainability Plans

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Aviso Legal / Legal Advice

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Nuestra visión de la sostenibilidad

Our vision of sustainability



En Repsol contribuimos al desarrollo sostenible tratando de satisfacer la demanda creciente de energía imprescindible para la realización de los derechos fundamentales de las personas, y creando valor en el corto y largo plazo

Maximizamos los impactos positivos y minimizamos los negativos en la sociedad y el medio ambiente, a lo largo de nuestra cadena de valor, mediante un comportamiento ético y transparente. Buscamos para ello no sólo cumplir con la normativa vigente, sino también con los principales estándares internacionales.

Con estas premisas, nuestro modelo de sostenibilidad incorpora consideraciones éticas, medioambientales y sociales en nuestra toma de decisiones, partiendo del diálogo con los grupos de interés. Un ejercicio que repetimos cada año generando iniciativas que dan respuesta a las preocupaciones de estos grupos de interés a nivel global y local. Así nacen los **Planes de Sostenibilidad**, planes de acción públicos y anuales. El **Plan Global de Sostenibilidad** es la hoja de ruta a partir de la cual se despliegan los **Planes Locales**. Estos últimos incorporan además compromisos relacionados con el contexto local.

LOS PLANES DE SOSTENIBILIDAD SE ARTICULAN EN TORNO A LOS SEIS EJES DEL MODELO DE SOSTENIBILIDAD DE REPSOL.

Innovación y tecnología
Innovation & technology

Consumimos los recursos indispensables para generar la energía más eficiente y con el menor impacto posible

We consume the indispensable resources to generate the most efficient energy and with the least possible impact

Ética y transparencia
Ethics & transparency

Personas
People

Medioambiente
Environment

At Repsol, we contribute to sustainable development by seeking to satisfy the growing demand for energy, which is essential for the fulfillment of people's fundamental rights, and by creating value in both the short and long term.

We maximize our positive impact and minimize our negative impact on society and the environment throughout our value chain by acting ethically and transparently. In doing so, we seek to comply not only with the regulations in force but also with the main international standards.

Under these premises, our sustainability model incorporates ethical, environmental, and social considerations into our decision-making process, based on dialogue with stakeholders. We do this every year, creating initiatives that address the concerns of these stakeholders. This is how the **Sustainability Plans — action plans** that are available to the public and created on an annual basis — are born.

THE SUSTAINABILITY PLANS ARE PUT TOGETHER ON THE BASIS OF THE SIX AXES OF REPSOL'S SUSTAINABILITY MODEL

Operación segura
Safe operation

Cambio climático
Climate change

Personas
People



EN REPSOL CONTRIBUIMOS AL DESARROLLO SOSTENIBLE

Un futuro sostenible necesita compañías que inviertan en ciencia y tecnología para contribuir con soluciones reales al reto energético actual y futuro. Creemos en la innovación tecnológica como elemento para construir sistemas energéticos más eficientes y sostenibles con el entorno.

En Repsol apostamos por un trabajo colaborativo en red con universidades y centros de investigación, impulsando la puesta en marcha de ideas ambiciosas en el ámbito de la energía que permitan afrontar los desafíos a los que nos enfrentamos y así construir un futuro sostenible de manera comprometida con el medio ambiente.

Asimismo, impulsamos alianzas y contribuimos al crecimiento de empresas en áreas

AT REPSOL, WE CONTRIBUTE TO SUSTAINABLE DEVELOPMENT

A sustainable future requires companies that invest in science and technology to meet the current and future energy challenges through real solutions. We believe in technological innovation as a way to build more efficient and environmentally sustainable energy systems.

At Repsol, we are committed to building a network of partnerships with universities and research centers. This promotes the implementation of ambitious ideas that enable us to confront the challenges we are facing and build a sustainable future, in line with our commitment to the environment.

Similarly, we forge alliances and contribute to the growth of companies in emerging areas related

Innovación y tecnología

Innovation and technology



emergentes vinculadas a la bioenergía, movilidad sostenible, almacenamiento energético, eficiencia energética y energías renovables.

Contamos con un ambicioso programa de digitalización que promoverá el cambio cultural y nos permitirá desarrollar soluciones digitales para satisfacer las nuevas formas de consumo de la energía.

A continuación mostramos acciones con las que ponemos de manifiesto nuestro compromiso con la Innovación y tecnología.

Las **acciones** que se comprometen en el **eje de Innovación y tecnología** en los **Planes de Sostenibilidad** contribuyen a apoyar la **Agenda 2030** para el Desarrollo Sostenible de las Naciones Unidas al abordar los siguientes objetivos:

OBJETIVOS DE DESARROLLO SOSTENIBLE



to bioenergy, sustainable mobility, energy storage, energy efficiency, and renewable sources of energy.

We have an ambitious digitalization program that will promote cultural change and allow us to develop digital solutions to meet new forms of energy consumption.

Below, we list the actions that show our commitment to Innovation and technology.

The **actions** that make up in **Innovation & technology** issues in the **Sustainability Plans** help support the United Nations' **2030 Agenda** by addressing the following Sustainable Development Goals (SDG):

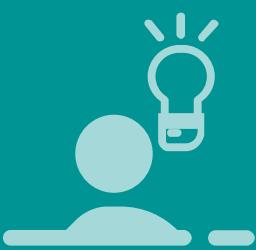
SUSTAINABLE DEVELOPMENT GOALS



Impulso actividad innovadora

Uso de nuevas tecnologías

Promover la capacitación y facilitar el desarrollo del entorno



*Boost innovative activity
Use of new technologies
Promote training and facilitate the development of the environment*

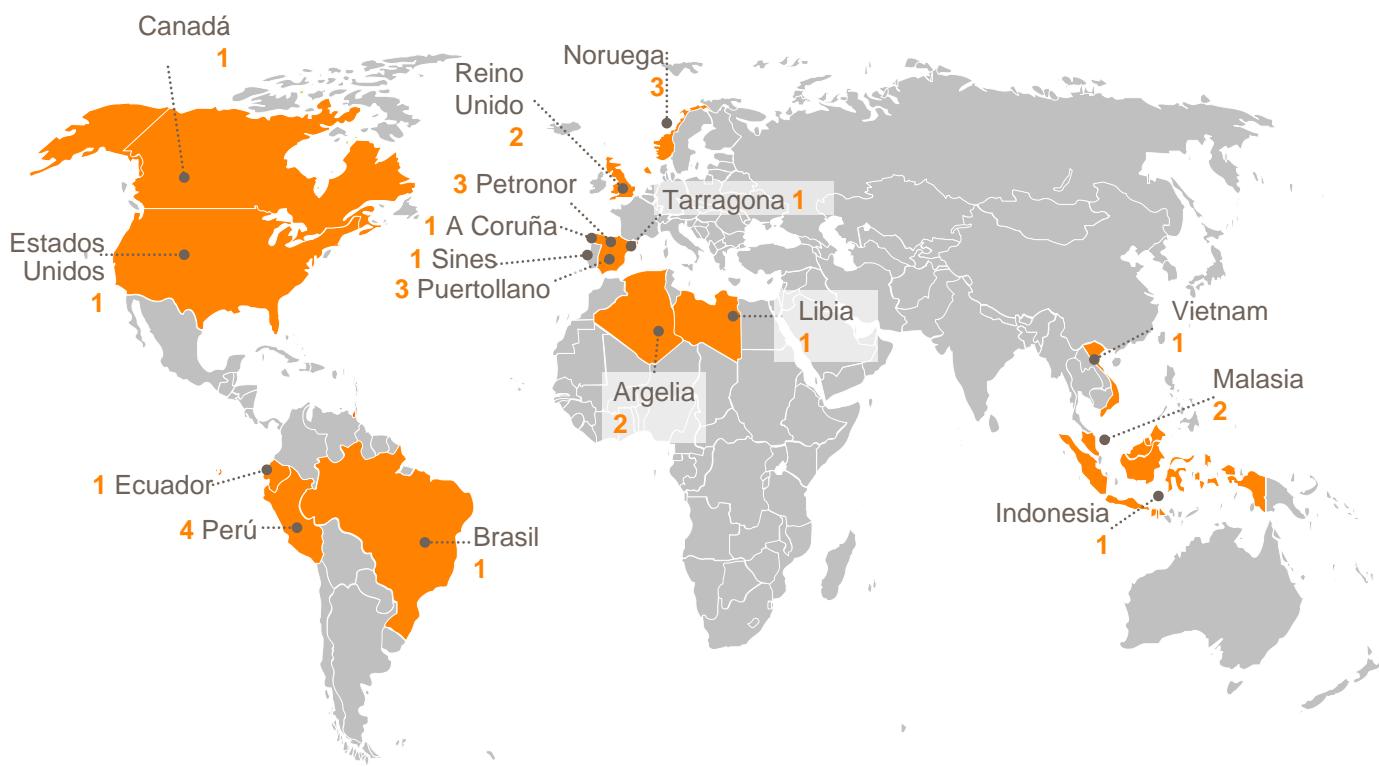
Una vez finalizado el año, es el momento de la rendición de cuentas respecto a cada una de las iniciativas que forman parte **de los compromisos en Innovación y tecnología de los Planes de Sostenibilidad**. El balance del grado de consecución ha sido el siguiente.

*At the end of the year, it is time to review each of the **Innovation and technology initiatives of the Sustainability Plans**. The degree to which the objectives have been fulfilled is as follows:*



A continuación, enumeramos cada una de las acciones incluidas en el eje de Innovación y tecnología.
*Further down, we provide the actions from the **Innovation and technology axis**.*

Número de Acciones en Innovación y Tecnología Number of actions in Innovation and Technology



Listado de acciones

List of actions

PAÍS COUNTRY	ACCIÓN ACTION
Argelia <i>Algeria</i>	<ul style="list-style-type: none"> • Mejorar la cultura de la innovación en nuestros empleados y socios locales. • Apoyar la introducción de herramientas electrónicas innovadoras para la gestión de la seguridad.
Brasil <i>Brazil</i>	<ul style="list-style-type: none"> • Impulsar la digitalización como estrategia de innovación y desarrollo de la Compañía.
Canadá <i>Canada</i>	<ul style="list-style-type: none"> • Impulsar la mejora continua de nuestras operaciones sobre el terreno a través de nuestro Programa de Transformación Operativa sobre el Terreno.
Ecuador <i>Ecuador</i>	<ul style="list-style-type: none"> • Instalar un eyector (bomba jet) para evitar altos niveles en tanque de evacuación de fluido (SLOP) en cuatro plataformas.
Indonesia <i>Indonesia</i>	<ul style="list-style-type: none"> • Preparar a los empleados de Repsol Indonesia para la digitalización.



Listado de acciones

List of actions



PAÍS COUNTRY	ACCIÓN ACTION
Libia <i>Libya</i>	<ul style="list-style-type: none"> Implementar el nuevo software técnico "One Virtual Solution" (OVS) para supervisar de forma automática y eficiente el rendimiento de la producción y emitir informes.
Malasia <i>Malaysia</i>	<ul style="list-style-type: none"> Fomentar la innovación de los niños de la escuela primaria. Apoyar la expansión del Programa de Desarrollo de Vendedores de Petronas (VDPx).
Noruega <i>Norway</i>	<ul style="list-style-type: none"> Continuar con el desarrollo del modelo virtual Digital Twin para el campo Yme. Desarrollar Sistemas Instrumentados de Seguridad Automatizados patrocinando el desarrollo de nueva tecnología en el centro de investigación Sintef. Promover la innovación tecnológica patrocinando proyectos de perforación automatizada.
Perú <i>Peru</i>	<ul style="list-style-type: none"> Desarrollar una aplicación móvil como herramienta de fidelización y pago digital en las estaciones de servicio. Implantar el uso de redes sociales con perfiles locales. Impulsar la innovación tecnológica como palanca de transformación hacia modelos de negocio más sostenible.

Listado de acciones

List of actions



PAÍS COUNTRY	ACCIÓN ACTION
Perú Peru	<ul style="list-style-type: none"> Promover la colaboración empresa-universidad en el ámbito de la investigación y el desarrollo tecnológico, mediante el apoyo al talento, el emprendimiento y la innovación.
Reino Unido United Kingdom	<ul style="list-style-type: none"> Asegurar la plena visibilidad y el conocimiento del estado del bienestar de cada área individual en Repsol Sinopec Resources UK. Implementar una tecnología digital para mejorar la gestión de las operaciones en Repsol Sinopec Resources UK.
USA The United States	<ul style="list-style-type: none"> Promover la innovación y la tecnología en nuestra comunidad.
Vietnam Vietnam	<ul style="list-style-type: none"> Desplegar los programas e iniciativas de digitalización de la Unidad de Negocios de Vietnam.

COMPLEJO INDUSTRIAL INDUSTRIAL COMPLEX		ACCIÓN ACTION
A Coruña	<ul style="list-style-type: none"> Llevar a cabo iniciativas de transformación digital en la Refinería. 	<ul style="list-style-type: none"> <i>Carry out digital transformation initiatives in the refinery.</i>
Petronor	<ul style="list-style-type: none"> Incorporar aceite de cocina usado (UCO -Used Cooking Oil-) al blending de la Refinería para valorizar el residuo. Realizar el proyecto de Eco innovación 'REQUIPLAST: Reciclaje químico de residuos plásticos'. Un enfoque real de la economía circular de los plásticos. Poner en actividad el proyecto denominado "Agregador inteligente de generaciones y consumos" en el Centro de Formación Somorrostro. 	<ul style="list-style-type: none"> <i>Incorporate used cooking oil (UCO) into the refinery's blending to recover the waste.</i> <i>Carry out the eco-innovation project 'REQUIPLAST: Chemical recycling of plastic waste'. A real approach to the circular economy of plastics.</i> <i>Start up the project called "Intelligent Aggregator of Generations and Consumption" at the Somorrostro Training Centre.</i>
Puertollano	<ul style="list-style-type: none"> Dinamizar la economía local con el plan de inversiones. Impulsar la competitividad del área química del Complejo Industrial mediante el desarrollo de nuevos productos y acceso a nuevos mercados. Impulsar la innovación tecnológica como palanca de transformación hacia modelos de negocio más sostenibles. 	<ul style="list-style-type: none"> <i>Boost the local economy with the investment plan.</i> <i>Drive the competitiveness of the chemical area of the Industrial Complex through the development of new products and access to new markets.</i> <i>Promote technological innovation as a lever for transformation towards more sustainable business models.</i>

COMPLEJO INDUSTRIAL INDUSTRIAL COMPLEX		ACCIÓN ACTION
Sines	<ul style="list-style-type: none"> Desarrollar nuevas oportunidades asociadas a la economía circular. 	<ul style="list-style-type: none"> <i>Develop new opportunities associated with the circular economy.</i>
Tarragona	<ul style="list-style-type: none"> Realizar acciones sociales y medioambientales con voluntariado. 	<ul style="list-style-type: none"> <i>Carry out social and environmental actions with volunteers.</i>



Anexos

A continuación detallamos las acciones llevadas a cabo en el eje de Innovación y tecnología en todos los Planes Locales de Sostenibilidad.

La información referente a países se publica en inglés y la referente a los complejos industriales en español.

Annexes

Below, we detail the actions carried out in the axis of Innovation and technology in all Local Sustainability Plans. The information referring to the countries is published in English and the reference to the industrial complexes in Spanish.

A photograph showing a row of flags on wooden poles against a clear blue sky. The flags are partially visible, displaying various colors and patterns. From left to right, there are: a dark blue flag with white wavy stripes; a red flag with white wavy stripes; a white flag with dark blue wavy stripes; an orange flag with large white letters spelling 'GRENADA'; a dark blue flag with white wavy stripes; a red flag with white wavy stripes; and a white flag with dark blue wavy stripes.

Países
Countries

ACTION

Improve culture of innovation within our employees and local partners.

DESCRIPTION

We will organize a training session with employees and strategic partners, GRN (Groupement Reggane Nord) on culture of innovation, ranging from small improvements up to new technology application.

INDICATOR

Hold one training session before end of 2019.

WHAT HAVE WE ACHIEVED?



On October 30, Repsol has held a session on innovation and digital transformation in GRN (Groupement Reggane Nord, Joint Venture between Repsol and Sonatrach). The two-hour session was attended by 33 people from both Repsol and Sonatrach.

CONTRIBUTION TO THE SDGS:



ACTION

Support the introduction of innovative electronic tools for safety management.

DESCRIPTION

We will support GRN (Groupement Reggane Nord) to implement a computer-based system for the management of HSE processes: incident management, preventive observations and HSE inspections. GRN will be one of the first assets to have one such computer-based system for HSE Management in Algeria.

INDICATOR

Propose definition of modules and roles within the computer-based system.

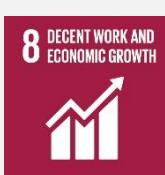
WHAT HAVE WE ACHIEVED?



Groupement Reggane Nord (GRN) has contracted a computer-based tool for HSE management.

Repsol has supported GRN during the tendering process, aligning GRN's tool with Repsol's, and providing feedback on the implementation process, including the definition of modules and roles for GRN.

CONTRIBUTION TO THE SDGS:



ACTION

Champion digitalization as a strategy for innovation and development at the Company.

DESCRIPTION

We will encourage innovative ideas with a focus on digitalization through: 1. external public announcement "RepsolSinopec Digitalization Challenge" in association with SENAI; 2. research projects that generate safer and more efficient operating conditions; 3. creation of "Virtual Meeting Room" (VMR) collaboration spaces with broad technological support for simplifying integration and work among employees.

INDICATOR

Prepare and launch the "Repsol Sinopec Digitalization Challenge" in the second quarter;

Develop five research projects: Squidbot, Tank Simex, Digital Twin, Gold Velox and Premon.

Adapt the existing six meeting rooms in the office for VRM by December.

WHAT HAVE WE ACHIEVED?



We launched the public announcement "Repsol Sinopec de Digitalização Challenge" in partnership with the research and technology centers Acelera CIMATEC and SENAI CIMATEC in April 2019, with the approval of five projects.

We have developed five research projects in accordance with the execution schedule planned for 2019.

CONTRIBUTION TO THE SDGS:



ACTION

Drive continuous improvement in our field operations through our Field Operational Transformation Program (FOTP).

DESCRIPTION

Through our Field Operational Transformation Program (FOTP) we will significantly transform the way we operate in Canada to drive resilient top-quartile performance through Field Automation and Centralized Operations & Maintenance. We will execute a program that will improve production efficiency, reduce costs and manage both personal safety and environmental risk. We will Implement Field Automation initiatives to drive process improvements by way of digitalization.

INDICATOR

Collaborate during monthly well review meetings to identify potential production efficiency opportunities and implement opportunities as feasible.

Implement the EZMax application (Maximo Mobile) for operations and maintenance staff. EZMax is a tool to that will provide a solution for our operators and maintenance staff to access their assigned work from their mobile devices.

Complete worker competency evaluation and implement approved training programs by December 31, 2019.

Develop flow and pressure analytics for produced water injection pipelines in Chauvin to support leak detection by December 31, 2019.

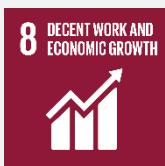
Deliver additional workstreams as part of FOTP Initiatives Pipeline according to agreed timeline by end 2019.

WHAT HAVE WE ACHIEVED?



Each of the indicators associated with this action have been successfully executed. We have implemented monthly training sessions on our Canada Business Unit standards. We have also developed a FOTP Well Site inspection checklist to ensure we have a standard well inspection approach in place for all Operations. In June of 2019 all Operators went from either being an Asset or Reliability Operators to being an operator that does both: checks wells and restores production.

CONTRIBUTION TO THE SDGS:



ACTION

Install an ejector (jet pump) to avoid high levels in the fluid evacuation tank (SLOP) on four platforms.

DESCRIPTION

Install a SLOP tank fluid evacuation system by using surface jet pumping on four platforms. This system will allow the optimization of resources to avoid the purchase of high cost equipment and the use of hydraulic energy instead of fuel and optimization by not using the vacuum.

INDICATOR

Execution of this project until the end of October 2019

WHAT HAVE WE ACHIEVED?



We have replaced the use of fossil fuel energy with hydroelectric power.
In addition, we have optimized the consumption of other resources.

CONTRIBUTION TO THE SDGS:



ACTION

Prepare Repsol Indonesia employees readiness for digitalization.

DESCRIPTION

We will start to introduce and prepare the Repsol Indonesia employees for the cultural change related to the digitalization program and digital solutions that meet new forms of energy consumption and increase cash flow significantly.

INDICATOR

Deliver the digitalization awareness program to all Repsol Indonesia employees by end of the third quarter.

WHAT HAVE WE ACHIEVED?



We have delivered the digitalization awareness program to Jakarta employees. We have conducted a digitalization awareness and socialization session related to the process of changing analog to digital form.

CONTRIBUTION TO THE SDGS:



ACTION

Implement new technical software One Virtual Solution (OVS) to automatically and efficiently monitor production performance and issue reports.

DESCRIPTION

We will improve the online reporting and follow-up system as part of the Repsol digitalizing project.

INDICATOR

Planned 50% of the project implemented in the department.

WHAT HAVE WE ACHIEVED?



As part of our commitment to innovation and technology and the use of new technologies, we have implemented phase one of the OVS project in AOO. REMSA OVS project was put on hold due to cost.

CONTRIBUTION TO THE SDGS:



ACTION

Foster innovation of primary schoolchildren.

DESCRIPTION

We will organize a Science Innovation Award in collaboration with Terengganu State Education Department to create a platform for primary and secondary schools to compete with the objective to deliver creative innovations in relation to environment and everyday life.

INDICATOR

Organize and complete the program this year.

WHAT HAVE WE ACHIEVED?



We have collaborated with the Ministry of Education and the Terengganu Creativity Science Center for the 'Duta Sains' Program for primary and secondary schoolchildren. The program closed on the 28 October with four winners.

CONTRIBUTION TO THE SDGS:



ACTION

Support the expansion of the Petronas Vendor Development Program (VDPx).

DESCRIPTION

We will collaborate with the VDPx by replicating the program to further develop capabilities within the oil and gas industry. We will work on defining and outlining the scope of work and criteria to select the appointment of vendor for the Repsol Vendor Development Program (VDP) program. VDPx is an evolution of the VDP to be implemented in collaboration with major industry players in order to create multiplier effects that benefit the industry and economy.

INDICATOR

Define the scope and appoint a vendor for the program.

WHAT HAVE WE ACHIEVED?



PALB Engineering (M) Sdn Bhd was selected as the first vendor under the program for Crane Maintenance Services for Kinabalu Operations. The program will help them to upskill their capabilities in the identified areas of development such as increase the efficiency by having a specific database, improve the administrative work, strengthen financial capabilities and also helping to close the HSE (Health, Safety and Environment) gap.

CONTRIBUTION TO THE SDGS:



ACTION

Continue with the development of the Digital Twin virtual model for the Yme field.

DESCRIPTION

We will build a 3D model for facilities and subsurface including information management to operate efficiently in both offshore and onshore teams.

INDICATOR

Build a 3D model for facilities and subsurface at the Yme field.

Create access to technical document system and maintenance system from the 3D model.

WHAT HAVE WE ACHIEVED?



We have uploaded the Digital Twin 3D model and installed it in the Integrated Control Center for Yme. We have also made the Technical documentation available from the 3D model together with the maintenance system information.

CONTRIBUTION TO THE SDGS:



ACTION

Develop Automated Safety Instrumented Systems by sponsoring the development of new technology at Sintef research centre.

DESCRIPTION

We will sponsor the development of new technology for automated safety instrumented systems during design and operation. The end result should be new standards for reporting and classification of safety critical failures (2019), specification for implementation of machine learning methods for classification of failures (2020), standards for operating (2020), testing and QA (2021 and 2022).

INDICATOR

Facilitate the establishment of a guideline for standardized reporting and classification of safety critical faults in automated safety systems.

WHAT HAVE WE ACHIEVED?



The “Guideline for classification of standardized reporting and classification of Safety Instrumented System faults” has been developed and issued by end of November 2019. With this initiative we explore the possibilities that technology offers us to improve our safety performance.

CONTRIBUTION TO THE SDGS:



ACTION

Promote technological innovation by sponsoring projects of automated drilling.

DESCRIPTION

We sponsor the automated drilling project at the IRIS research centre. The underlying idea of the project is to demonstrate a step change in drilling technology from the mainly mechanized process control used in the industry today to automated drilling process control and robotics

INDICATOR

Facilitate a demonstration of an automated drilling control process involving open interfaces, a robotic drill floor system and the software DrillTronics.

WHAT HAVE WE ACHIEVED?



The project has experienced delays related to the software and robotic systems. The automated drilling test is now expected to take place in Q2 2020 at NORCE facilities in Stavanger.

CONTRIBUTION TO THE SDGS:



ACTION

Develop a mobile app as a loyalty and digital payment tool for service stations.

DESCRIPTION

We will incorporate an app that enhances the value offer for our customers through a digital payment method. This application will also enable us to foster loyalty and get to know our customers more.

INDICATOR

Implement the app by 31 December.

WHAT HAVE WE ACHIEVED?



As a previous step to the implementation of the mobile application, we are working on the development of a powerful loyalty program that rewards the consumption of our customers in collaboration with strategic partners of great strength in the country's retail market.

CONTRIBUTION TO THE SDGS:



ACTION

Implement the use of social media with local profiles.

DESCRIPTION

We will roll out a new channel to communicate with different publics through social networks. It will be a digital meeting point to improve communication and interaction, and to be able to reply to the queries and concerns of our stakeholders.

INDICATOR

Achieve between 3,000 and 5,000 followers on Facebook.

WHAT HAVE WE ACHIEVED?



Thanks to the implementation of the communication strategy on Repsol's Facebook fan page, we are helping to strengthen the brand's positioning, as well as achieving commercial objectives and attracting new customers. We have also configured it as a tool for interaction with the public that has allowed us to answer questions, deal with complaints and maintain a two-way communication. At the end of the period, we had more than 6,500 fans.

CONTRIBUTION TO THE SDGS:



ACTION

Drive technological innovation as a lever of transformation for more sustainable business models.

DESCRIPTION

We will manage the approvals for the customer commercial conditions (discounts, payment terms, fleet) through a new commercial program linked to SAP instead of manually. We will thus be able to better satisfy customer needs while avoiding paper usage.

INDICATOR

Ensure rollout by 31 December.

WHAT HAVE WE ACHIEVED?



We have managed to implement the Salesforce tool, which constitutes the first and main phase of the Transformation Project.

CONTRIBUTION TO THE SDGS:



ACTION

Cultivate company-university partnership in technological research and development by backing talent, entrepreneurship and innovation

DESCRIPTION

We will share knowledge on energy and sustainability through seminars and conferences at Universidad de Ingeniería y Tecnología (UTEC).

We will shore up the commitment to innovation and talent by creating project research and development groups with university students.

INDICATOR

Hold four Energy and Sustainability seminars in 2019.

Coordinate the development of at least one research project with UTEC.

WHAT HAVE WE ACHIEVED?



We have held four seminars as part of the Repsol Chair of Energy and Sustainability at the UTEC, each one led by the head of each business. In addition, we have jointly developed the following projects: Economic valuation of the reduction of greenhouse gas (GHG) emissions, Characterization of solid waste management information for Lot 57 and four solar energy projects at the New World Base.

CONTRIBUTION TO THE SDGS:



ACTION

Ensure full visibility and awareness of well status for each individual area in Repsol Sinopec Resources UK.

DESCRIPTION

We will implement a well visualization model (well Data Book) in order to improve the monitoring of the integrity and performance of wells. This technological improvement will allow us to identify environmental hazards that could cause environmental impacts.

INDICATOR

Implement a pilot in Monarb and Claymore assets in Repsol Sinopec Resources UK.

WHAT HAVE WE ACHIEVED?

We have completed and incorporated a pilot in Monarb and Claymore. This implementation will allow us to monitor the integrity and performance of the wells, anticipating any environmental hazard.

CONTRIBUTION TO THE SDGS:

ACTION

Implement a digital technology to improve the operations management in Repsol Sinopec Resources UK.

DESCRIPTION

We will optimize our operational tasks applying new digital technologies. We will start up Integrated Operated Centers (IOC), in which the offshore operations are monitored, allowing us to take the proper decisions and analysis onshore instead of being located in the operation. This will decrease the fuel consumption and minimize the health, safety and environment risks.

INDICATOR

Implement Integrated Operated Centers in three hubs in Repsol Sinopec Resources UK.

WHAT HAVE WE ACHIEVED?

We have implemented Integrated Operated Centers in RSRUK in three hubs. This monitoring technology is allowing us to take the proper offshore decisions in real time from onshore, minimizing the health, safety and environmental risks and, in addition, decreasing the fuel consumption as the helicopter trips go down.

CONTRIBUTION TO THE SDGS:

ACTION

Promote innovation and technology in our community.

DESCRIPTION

We will actively support initiatives that promote STEM (science, technology, engineering and math) education for local students.

INDICATOR

Support at least two educational initiatives that promote robotics.

Partner with at least one non-profit to provide STEM activities for students with disabilities.

Collaborate with at least one university to provide STEM mentorship.

Host at least one site visit and two presentations to promote STEM careers.

WHAT HAVE WE ACHIEVED?

We have supported two robotics initiatives for high school students in Pennsylvania and Texas. We have sponsored STEM day camps for students with sensory disabilities at Space Center Houston. We have actively participated in a program with the University of Texas to mentor high school students in STEM. We have hosted two site visits for middle and high school students at our MBU operations, and we have presented about STEM careers at three high schools in Pennsylvania and Texas.

CONTRIBUTION TO THE SDGS:

ACTION

Deploy Vietnam Business Unit's digitization programs / initiatives.

DESCRIPTION

We will evaluate and implement local digitalization initiatives to improve our efficiency and effectiveness in different areas of business. We will also continue promoting cultural change in digitalization / innovation through interactive workshops to further develop digital solutions across the Vietnam Business Unit.

INDICATOR

Deliver evaluation / implementation of registered digitalization initiatives.

WHAT HAVE WE ACHIEVED?



We have identified five solid local digitalization ideas in 2019. Initial results from implementation of these initiatives are promising, increasing our productivity and effectiveness in several areas of business, including safety and health management. In the meantime, we have promoted cultural change in innovation with a number of interactive workshops across the Vietnam Business Unit and in the non-operated asset Thang Long JOC.

CONTRIBUTION TO THE SDGS:



Centros Industriales

Industrial Complex



ACCIÓN

Llevar a cabo iniciativas de transformación digital en la Refinería.

DESCRIPCIÓN

Seremos parte activa en la mejora de la implantación digital en la refinería. La digitalización pone a las personas (clientes, empleados, proveedores, ...) en el centro, como artífices de la mejora, a través de las nuevas tecnologías digitales y las nuevas formas de trabajo.

INDICADOR

Conseguir un escalado de iniciativas digitales Big Bet (aquellas muy relevantes para la compañía) del 100%.

Conseguir un escalado de iniciativas digitales no Big Bet (aquellas no relevantes para la compañía) del 70%.

QUÉ HEMOS CONSEGUIDO



En la refinería hemos llevado a cabo iniciativas de transformación digital de Repsol, consiguiendo un escalado de iniciativas digitales del 100%. Destacan distintos programas relacionados con previsión y predicción de actuaciones para labores de mantenimiento de las unidades; la optimización de materias primas y las aplicaciones móviles para personal en planta que permiten una gestión con rapidez y movilidad independiente.

CONTRIBUCIÓN A LOS ODS:



ACCIÓN

Incorporar aceite de cocina usado (UCO -Used Cooking Oil-) al blending de la Refinería para valorizar el residuo.

DESCRIPCIÓN

Procesaremos aceite de cocina usado, para incorporarlo al blending de gasóleos de la Refinería, previo tratamiento de desulfuración del mismo.

INDICADOR

Realizar prueba en planta de tratamiento de desulfuración del UCO.
Poner en marcha el tratamiento del UCO y su incorporación en el blending.

QUÉ HEMOS CONSEGUIDO



Hemos realizado el tratamiento del UCO (Used Cooking Oil) y estamos incorporándolo al Blending de Diesel consiguiendo la valorización del residuo.

CONTRIBUCIÓN A LOS ODS:



ACCIÓN

Realizar el proyecto de Eco innovación 'REQUIPLAST: Reciclaje químico de residuos plásticos'. Un enfoque real de la economía circular de los plásticos.

DESCRIPCIÓN

Ejecutar las tareas previstas para el 2019 en el Proyecto de Eco innovación "REQUIPLAST: Reciclaje químico de residuos plásticos". Un enfoque real de la economía circular de los plásticos. Se trata de estudiar el reciclado químico de residuos plásticos no reciclables mecánicamente y convertirlos mediante procesos de tratamiento térmico en aceites que se pueden aprovechar en la refinería.

INDICADOR

Completar las etapas previstas para el proyecto en 2019.

QUÉ HEMOS CONSEGUIDO



Hemos promovido el conocimiento para el aprovechamiento de residuos como nuevos recursos a través del proyecto REQUIPLAST para el tratamiento de los aceites de pirólisis de los residuos plásticos de Euskadi. En el marco del Plan de Ciencia, Tecnología e Innovación Euskadi 2020 este proyecto es un piloto que el Gobierno Vasco ha apoyado con 200.000€ para "Ayudas a la Ecoinnovación" como proyecto tractor industrial en economía circular y ha logrado la mayor puntuación de Ihobe.

CONTRIBUCIÓN A LOS ODS:



ACCIÓN

Poner en actividad el proyecto denominado "Agregador inteligente de generaciones y consumos" en el Centro de Formación Somorrostro.

DESCRIPCIÓN

Se intentará también extender esta iniciativa a los municipios de Muskiz, Zierbena y Abanto-Zierbena.

INDICADOR

Poner en servicio tanto la generación como la distribución de la energía fotovoltaica obtenida.

QUÉ HEMOS CONSEGUIDO



Hemos instalado una planta fotovoltaica en el Centro de Formación Somorrostro (CFS). La capacidad de la instalación es de 98 kilowatios y se distribuyen en el propio CFS como autoconsumo. La capacidad de las baterías de acumulación es de 110 kilowatios/hora y acumularán la energía generada y no consumida en días no lectivos.

CONTRIBUCIÓN A LOS ODS:



ACCIÓN

Dinamizar la economía local con el plan de inversiones.

DESCRIPCIÓN

Mantener el nivel de desembolso en inversiones por encima del 80% del promedio ejecutado en el periodo 2015-2018.

INDICADOR

Mantener el nivel de desembolso en inversiones por encima del 80% del promedio ejecutado en el periodo 2015-2018.

QUÉ HEMOS CONSEGUIDO



La inversión que hemos realizado en 2019 en el Complejo Industrial de Repsol de Puertollano ha superado los 53 millones de euros superando el objetivo previsto. Con la inversión en nuevos proyectos hemos incrementado la fiabilidad y la eficiencia energética de nuestras instalaciones y hemos contribuido al desarrollo socioeconómico de nuestro entorno con la contratación de las empresas locales.

CONTRIBUCIÓN A LOS ODS:



ACCIÓN

Impulsar la competitividad del área química del Complejo Industrial mediante el desarrollo de nuevos productos y acceso a nuevos mercados.

DESCRIPCIÓN

Se incrementará la competitividad y especialización de los productos existentes en el área química del Complejo Industrial de Puertollano y se potenciará el desarrollo de nuevos productos, así como la realización de pruebas y estudios para incrementar la sostenibilidad y eficiencia energética en nuestros procesos.

INDICADOR

Realizar un mínimo de 20 acciones relacionadas con innovación, investigación y desarrollo de gama.

QUÉ HEMOS CONSEGUIDO



En el área Química hemos continuado avanzando en especialización y diferenciación superando el objetivo marcado. Se han realizado importantes pruebas industriales en todas las áreas como la fabricación de nuevos copolímeros de etileno para su uso en adhesivos, nuevos grados de polipropileno para alimentación e higiene y nuevos dioles para aplicaciones de sellado. Hemos consolidado nuestra gama de Poliolefinas recicladas (Reciclex), avanzando así en nuestra estrategia de Economía Circular.

CONTRIBUCIÓN A LOS ODS:



ACCIÓN

Impulsar la innovación tecnológica como palanca de transformación hacia modelos de negocio más sostenibles.

DESCRIPCIÓN

Poner en marcha en el Complejo Industrial al menos 10 nuevas herramientas / proyectos de digitalización.

INDICADOR

Poner en marcha 10 herramientas/proyectos de digitalización en el Complejo Industrial.

QUÉ HEMOS CONSEGUIDO



En 2019 hemos puesto en marcha 12 proyectos digitales que ya se utilizan en nuestro Complejo Industrial y otros 9 adicionales se encuentran en la fase de implantación. Del total, 7 son herramientas digitales que incrementan la seguridad, la fiabilidad y la optimización de nuestras operaciones.

CONTRIBUCIÓN A LOS ODS:



ACCIÓN

Desarrollar nuevas oportunidades asociadas a la economía circular.

DESCRIPCIÓN

Analizar alternativas de gestión para aquellos residuos que se envían a eliminación externa (vertedero).

INDICADOR

Seleccionar un residuo que se envíe a eliminación externa y negociar una alternativa con el operador de gestión de residuos.

QUÉ HEMOS CONSEGUIDO



Ha sido seleccionado 1 residuo y hemos conseguido gestionar una reducción de residuos enviados a gestión externa con el operador de gestión de residuos (100%); En nuestro plan de acción de zero pellets hemos logrado 90% del cumplimiento del plan (100% de cumplimiento).

CONTRIBUCIÓN A LOS ODS:



ACCIÓN

Realizar acciones sociales y medioambientales con voluntariado.

DESCRIPCIÓN

Con nuestro grupo de voluntariado pondremos en marcha actividades sociales y medioambientales a través de diferentes campañas.

INDICADOR

Incrementar el porcentaje de voluntarios locales con respecto al año 2018.

Participar en al menos 3 actividades medio ambientales.

QUÉ HEMOS CONSEGUIDO



En el año 2019 hemos incrementando el porcentaje de voluntarios con respecto al año 2018 alcanzando un aumento del 22% y hemos ejecutado las 3 actividades medio ambientales previstas en la programación.

CONTRIBUCIÓN A LOS ODS:





Si quieres conocer más información de los Planes de Sostenibilidad en los que se encuentran estas acciones puedes visitar nuestra página web repsol.com

If you want to know more information about the Sustainability Plans in which you find these actions you can visit our website repsol.com