

Company Profile

Aronco Services Limited (Trinidad)

About Us

- We have been a member of the Heavy Industrial and Power market for the past twenty two (22) years, whereby we continue to deliver the uncompromising quality that has helped to cement our reputation.
- The group's decades of experience, innovation and exceptional people differentiate our approach to delivering integrated solutions notwithstanding the diversity and complexity of different jobs that were undertaken.

1999

Aronco Services Ltd. (Trinidad) was founded. 2012

Aronco Cooling Solutions Limited was established. 2019

Aronco Services Inc. (Guyana) was founded. 2021

Aronco USA Inc. was founded. 2022

Refractory Division Launched

 ASL mainly engages in Heavy Construction, Mechanical Maintenance, Alignment of Rotating Equipment, Welding and Fabrication, Provision of Transport for Heavy Equipment, Electrical Works as well as providing labour

support for these jobs.

- ACSL became the sole distributor of Marley Cooling Tower Parts and Products in Trinidad and Tobago. ACSL is a subsidiary of Aronco Services Limited (ASL), but exists as a separate entity.
- Aronco Services Inc. has three (3) divisions currently registered in Guyana:
- Aronco Services Inc. (Equipment Transportation & Rentals)
- Aronco Construction Inc.
- Aronco Quickmix Inc.
- Our vision is to also support managerial and process teams of the DRI Companies, in order to improve their technical and managerial systems performance.
- Our team has a combined experience of over 50 years in DRI plants.
- We can now offer a range of refractory and insulation services inclusive of catalyst services and material supply.

Our Group



Our Statement

VISION

"To be the premier choice in the engineering and construction business, as we build excellence in serving our customers' needs."

MISSION

"Through quality, safety, an effective management system, productivity, team-work and a customer focused mindset, we at ASL seeks to build value for the customers."



Company Overview

Our Team is committed to delivering quality services and projects that have resulted in our company's acceptance as one of the upcoming construction firms in the country.

Azard Hosein	Managing Director Founder of Aronco Services Ltd and Co-Founder of Aronco USA Inc.
Verina Hosein	Finance Manager
Aaron Hosein	Director Founder of Aronco Services Inc.
Palaash Narase	General Operations & HSE Director for USA Operations
Rodrigo Guiterrez	General Manager & Company Director Co-Founder of Aronco USA Inc.



Our Focus

Our Services at a Glance

- Transport & Equipment Rental Division
- Civil Works Division
- Mechanical Maintenance
- Pipeline & Valve Integrity Systems
- Cooling Tower Solutions
- Conveyor Belt Systems (new)
- Refractory & Insulation Division (new)



Transport & Rentals

We offer a full range of transportation services to meet the needs of existing and new businesses. Our professional drivers and staff are visible reminders to our commitment of providing an excellent and dependable service.

- Rigging and Heavy Lifts
- Transport of Heavy Pipelines
- Vacuum trucks for slush and water waste
- Light and heavy Equipment Rental
- Cranes for Heavy Lifting
- Tankers for Transport of Waste Fluids



Civil Works

We have undertaken a broad range of infrastructure, roads and earthworks for both public and private clients, throughout Trinidad and Tobago.

- Project and Construction Management
- Construction of Roads and Interchanges
- Excavation of trenching
- Installation of Structural Steelwork to Industrial and Commercial Plants
- Landscaping
- Pipeline Installation (High and Low Pressure Piping Systems for Industrial Plants)
- General Welding and Fabrication
- Labour Supply



Mechanical Maintenance

We design and build engineering procurement and construction work within acceptable size and risk constraints. Our services are personalized to suit each customer's needs in a cost effective and timely manner.

- Planned Plant Maintenance
- Major Plant Turnaround (Shutdown Works in Steel, Chemical and Air Separation Plants)
- Inspection of Mechanical Equipment
- Alignment of Rotating Equipment, Rollers, Drive System, Belt Works
- Installation and Maintenance of Heavy Equipment

- Conveyer Repair and Maintenance Service
- Hydraulic System Repairs
- General Welding and Fabrication
- Piping Works, Pigging and Pipeline Maintenance
- Labour Supply





Pipeline & Valve Integrity Systems

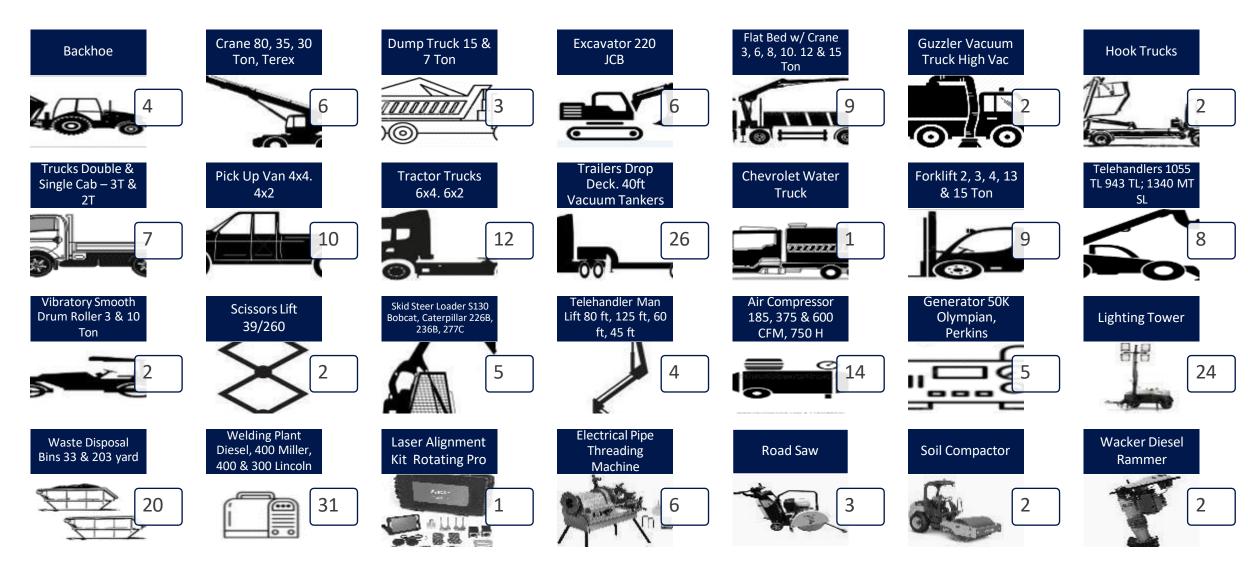
We offer diversified technical services in pipeline and valve integrity services, incorporating corrosion monitoring, pipeline pigging and pipeline isolation. ASL has the capability to procure corrosion monitoring tools, subsea inspections, valves and actuators, chemical pumps and much more.

- Valve Integrity Management
- Inspection Services
- Corrosion Management
- Mechanical Services (Bolt Torqueing and Tensioning, Pressure Testing and Pipe Cutting)
- Pipeline Integrity Management

- Chemical Optimization
- Pipeline Pigging and Inline Inspection
- Equipment Rentals
- Training—Certification Courses,
 Specialized Training
- Equipment Rentals
- Sampling Technology



Our Equipment



Our Experience

Major Projects

Our experience spans from 2000 to Present; the major last five years are shown below:

11. Snaking Process Water Pumps Suctions/Discharge & MCW Piping

12. Cleaning of Seal Legs, Clarifier, Cooling Tower Basin

Nu Iron Unlimited 1. Replacement of Four (4) Feed Gas Headers 1. Sep 2023 – Oct 2023 2. Fabrication of Six (6) Feed Gas Header Bundles 2. Jul 2022 – Oct 2022 3. Change Out of 2 Feed Gas Dryer Bundles 3. Nov TAR 2020 4. Cleaning of Barometric Seal Leg and Sumps 4. Nov TAR 2020 5. Labor Supply and Maintenance 5. Jan TAR 2020 6. Change Out of 4 Cold Feed Gas Bundles 6. Jan TAR 2020 7. Cleaning of Barometric Seal Leg and Sumps 7. Jan TAR 2020 8. Cleaning of Clarifier 8. Jan TAR 2020 9. Changeout of 510 Reformer Tubes 9. Jun TAR 2019 10. Change Out of two (2) Heat Recovery Preheaters 10. Nov TAR 2018

11.Nov TAR 2018

12.Apr TAR 2017



Our Experience

Major Projects

Our experience spans from 2000 to present; the major projects over the last five years are shown below:

Europa Facilities	T&TEC	Air liquid T & T Ltd	Carib Brewery	Powergen
Road Works Through Out NIB Gated Community	Construction of an Administrative Building in Tobago	 Labour Supply Mechanical Works Mechanical Works 	 ITT10145 Filter Mezzanine Construction Works Construction of a Conveyor Support for Line 7 Installation of Two (2) Repurposed Yeast tanks 	 Construction of a Blast Wall Refurbishment of Westinghouse Rooftop
Sep – Oct 2020	Jan 2019	 Mar-Apr 2019 Nov 2019 Nov TAR 2018 & Apr TAR 2017 	 May-Aug 2023 Jun- Aug 2023 Jun – Oct 2022 	 Feb 2018 Jan 2017

Our Experience

Major Projects

Our experience spans from 2000 to present; the major projects over the last five years are shown below:

Wastewater Treatment Plant Pt Lisas	Udecott	TCL	NQCL
Rental of Light/Heavy Equipment & Lighting Equipment	Fabrication & Installation of Seats at Brian Lara Stadium Design and Construction Westpark	Civil Works	Repair Works on Plant 3, No.2 Conveyor
2018	Mar 2017 2019 - 2020	Dec 2017	April 2017



Our Experience

On-Going Contracts

We have secured ongoing contracts with various companies:

TCL	PPGPL	NUI	WASA	Air Liquide Trinidad & Tobago Ltd	Ansa McAL Chemicals Ltd
 Packaging of Jumbo Bag Cement Material Handling Jetty/Port Operations Haulage & Warehouse Transport Local Cement Handling 	Rental of Light/Heavy Equipment & Lighting Equipment	 Cleaning and Maintenance of 7 Cooling Tower Cells Labour Supply and Maintenance Waste Disposal 	Rental of Light/Heavy Equipment & Lighting Equipment	Rental of Light/Heavy Equipment & Lighting Equipment	 Rental of Light/Heavy Equipment & Lighting Equipment Movement, Storage & Transport
 Oct 2018 - Present Jun 2020 - Present Oct 2022 - Present Aug 2023 - Jul 2025 Jul 2023 - Aug 2024 	2021	 2012 – Present 2012 – Present 2016 - Present 	2014 - Present	2021	 2018 – Present Mar 2020 - Present



Our Partnerships

Our Advantage

Having partnerships give us three (3) main advantages over our competitors; we can now:

- 1. Bridge the gap in expertise and knowledge giving us a wider range of expertise for different parts of our business and bring experience and complementary skills.
- 2. Gain more business opportunities which make us more productive and affords us the ease and flexibility to pursue more business opportunities while eliminating the downside of opportunity costs in pursuing new avenues.
- 3. Have a new perspective with a set of new eyes to spot things we may have missed and gain a different outlook about what we do, who we deal with, what markets we pursue and even how we price our products and services.



Our Partnerships

We have two (2) main partnerships:

- Marley Cooling Towers which was established in 2012 to create Aronco Cooling Solutions Limited (ACSL).
- 2. Proyectos y Servicios Industriales DAKS MR S. de. R.L de C.V which was established in 2021 so that we could offer services to the DRI companies (mechanical and refractory).









Our Cooling Tower Division

ASL Marley





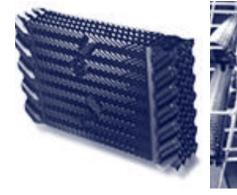
- Marley Cooling Technologies is now trading under SPX Cooling Technologies and has been in existence since 1922.
- SPX Cooling Technologies a leading full-line, full-service tower and air-cooled condenser manufacturer. The founding companies that formed SPX Cooling Technologies were founded more than 100 years ago and have more than 250 global patents in the power generation, industrial, refrigeration and HVAC markets.
- SPX Cooling Technologies is a unit of SPX Corporation, based in Overland Park, Kansas, USA, and is a global provider of technical products and systems, industrial products, flow technology, cooling technologies and service solutions.



SPX Cooling Technologies

In addition to maintenance and repairs of cooling towers, SPX Cooling Towers provide Marley OEM Parts, such as:

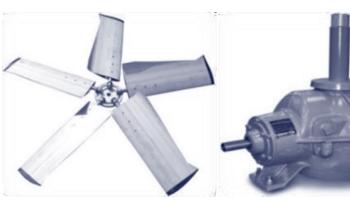
- Fills Film, Splash, Cross Flow, Counter Flow
- Drift Eliminators
- Water Distribution Nozzles & Valves
- Fans & Drives Fans, Drive Shafts, Couplings, Gear Reducers











Cooling Tower Solutions

- Aronco Cooling Solutions Limited (ACSL) was founded in 2012 to be the sole distributor of Marley Cooling Tower Parts and Products in Trinidad and Tobago.
- ACSL is a subsidiary of Aronco Services Limited (ASL), but exists as a separate entity.
- We provide customized Cooling Solutions for the Heavy Industrial and Power sectors in Trinidad and Tobago.
- We aim at becoming the leading distributor of cooling towers in the wider Caribbean.



ASI

Cooling Tower Services

At Aronco Cooling Solutions Limited we extend the following services to the Oil and Gas Industry:

- Cooling Tower Assembly
- Cooling Tower Inspection and written reports
- Demolition of old structures
- Providers of SPX Marley Cooling towers
- Providers of SPX Marley cooling tower spare parts
- Field weld on FRP pipes/cooling tower basin
- Temporary Cooling Solutions- SPX Marley
- Cooling Tower Maintenance Refurbishment works on the Cooling Towers





Our Experience

Our experience spans from 2009 to Present with out major clients being shown below:

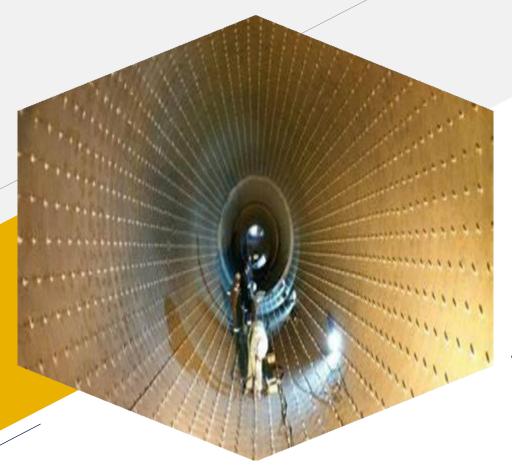
ArcelorMittal Point Lisas		Air Liquide		Nu Iron Unlimited	
 Cooling Tower Repairs – Application of Fiberglass work on 3 lines, 42 inch DRI New Cooling Tower Installation Construction of New DR3 Cooling Tower 	 Oct 2009, 4 Days Mar 2010, 19 Days Aug 2014, 3 Months 	 Cooling Tower Repairs Marley NC9242 Industrial Gases L To Demolish the existing 190T Cooling Tower Cooling Tower Maintenance for Shutdown Period To buff and repair fiber glass sheet on the cooling tower basin 	 Apr 2010, 5 Days Dec 2013, 5 Days Jun 2014, 10 Days Jul 2014, 5 Days 	 To remove all sludge and debris from the cooling tower basin for the duration of the shutdown Cleaning of Seal Legs, Clarifier, Cooling Tower Basin Cleaning of Cooling Tower Basin Cleaning of Cooling Tower Basin Cleaning of Cooling Tower Basin 	 Aug 2014 Apr TAR 2017 Nov TAR 2018 Nov TAR 2020

ACSL

Our Experience

Our experience spans from 2009 to Present with out major clients being shown below:

D&KS MR



Refractory & Insulation Division(new)

ASL DAKS MR



Our Team

Our team has a combined experience of over 50 years in DRI plants. Our focus is to work together with our clients, in understanding their various needs, resources, risks and liabilities, forming strategic relationships which will allow clients to meet their desired objectives.

We are aware of our clients requirements, and we have considered everything to fulfill them.

Rodrigo Gutierrez	General Manager & Company Director
	Co-Founder of Aronco USA Inc.
Palaash Narase	
	General Operations & HSE Director for USA Operations
Israel Hernandez	Refractory and Insulation Manager
Ruben Sanchez	Insulation & Refractory Consultant/Specialist
Rafael Gorrocino	Mechanical Engineer & Material Handling Consultant/Specialists
Vanessa Ramlochan	Refractory & Project Engineer
Gillian Gonzales	Refractory & Administrative Coordinator

We Now Offer

A Range of Refractory and Insulation Services

- Assets Management, Assets Selection and Assets Supply
- Process Safety Management Implementation
- Operational Reliability Assistance & Mechanical Integrity
- Tube Inspection
- Refractory Inspection
- Refractory & Insulation Supply/Installation
- Maintenance Work, Planning and Preventative Maintenance
- Catalyst Services
- Turnaround Planning and Execution

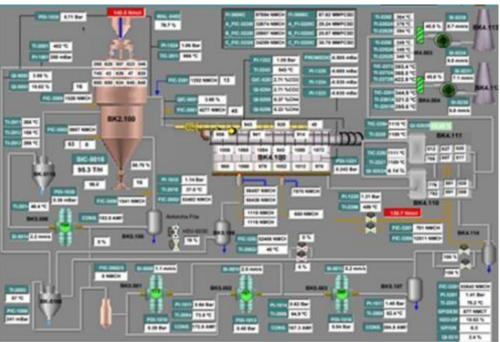




Plant Operations

 We can provide operational support as well as start-up and shutdown support. We also provide engineering of managerial systems and both equipment selection and supply as well as installation services to customers in its targeted market.





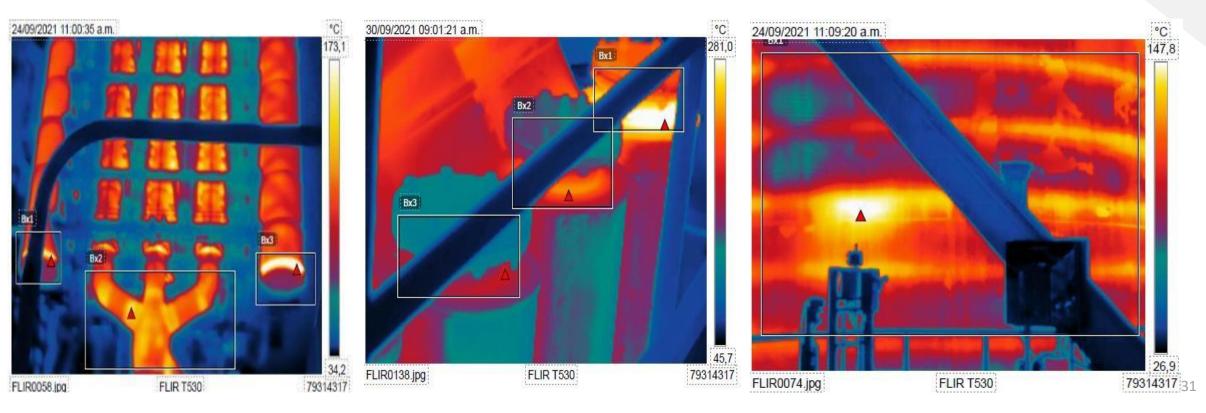
Training

- We offer training for plant operators from operation of DCS to field operations. We also provide training for maintenance personnel on preventative maintenance, maintenance procedures and safety.
- During training all aspects of the plant will be discussed from the Reformer to the Furnace and everything in between. This gives your personnel the opportunity to learn and ask questions from instructors with years of hands-on experience in DRI operation and maintenance.



Thermal Surveys

 Thermal surveys are used to identify problems within the plant, during a survey scan are taken of the plant's critical locations. With this information the plant can make informed decisions to keep operation at a safe condition. This information can also be used to plan for upcoming maintenance.







Catalyst Services

We offer catalyst loading for DRI plants, our system is less complex and faster than the traditional sock loading. We also implement dust/debris collection along with our soft loading technique to minimize breakage and dust formation during the loading process. All of these innovations allows a more uniformed loading with consistent DP's.

We can also design temporary Reformer tube racks for faster loading and installation inclusive of:

- · Engineer & Design
- Fabrication
- Delivery
- Foundation & Erection

Reformer Tube Inspection

One of the most important tasks for a reliable operation of reformer furnaces is the integrity of the reformer tubes. The early detection of expansion and micro-cracks can lead to improved reformer operation, a better-balanced furnace and better planning of tube replacement, eliminating unnecessary, unplanned outages.

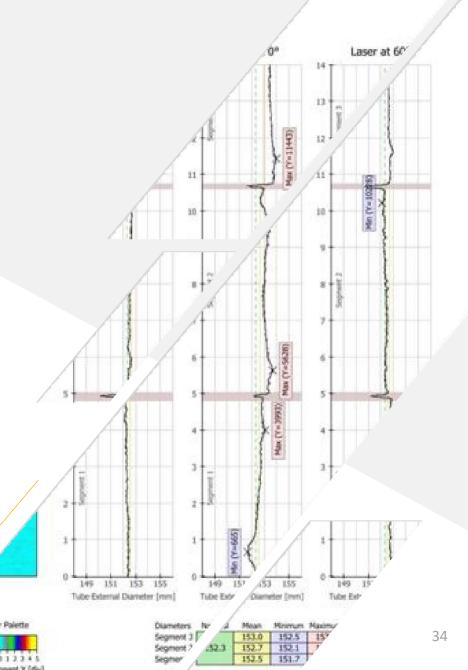
With our latest developed technology in our industry for inspecting reformer tubes is now being introduced as the RPS-360-OD an external automated scanning system that is equipped with a powerful proprietary hybrid NDT technique for sensitive crack detection in reformer tubes up to 23mm wall thickness that inspects each tube. As the proprietary technique needs no couplet and is not dependent on tube cleanliness, the readings are repeatable from one inspection to the next inspection.



Reformer Tube Inspection

The key benefits include:

- Accurate, robust and reliable by computer-controlled data acquisition
- A powerful proprietary technique for sensitive crack detection
- An integrated laser module system for expansion measurement
- High inspection speed
- Accurate location and sizing of features
- Highly repeatability allowing indication monitoring
- On-site reporting



Shaft Furnace Relining

- We will plan the refractory replacement job based off the furnace drawings and our experience.
- Wrecking of the refractory in shaft furnace is a process we have completed many times. One of the main factors to consider is placement of the working scaffold, the correct placement and design will enhance safety and working production.
- After demolition construction of the new refractory will begin, during this time the reconstruction will be based on the drawings with any agreed upon upgrades added in.
- The final stage is the dry out time for the refractory, this is an important step to ensure integrity of the refractory and minimize cracking.



Full Reformer Tube Changeout

 We can perform full Reformer tube replacement; from Bottom Assembly to Dog Legs:



Removal of Dog Legs



Mechanical Maintenance



Wrecking and Re-Casting



Dryout



Back Welding & Re-installation



Removal of Bottom Assemblies



Mechanical Cleaning & Sealing



Spring Adjustment



Split Ring Maintenance



Re-installation



Removal of Roof Sheets



Removal of Tubes



Installation of Tubes

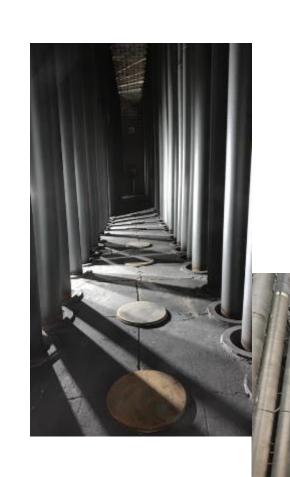


Pressure Testing

Reformer Maintenance

We can perform full Reformer Maintenance inclusive of:

- Supply of Superior quality materials
- Roof Insulation Repairs
- Blanket Insulation & Brick Wall Repairs
- Floor Repairs
- Door Repairs
- Anchor Replacement









Our years of experience in turnaround maintenance and planning allows us to conduct the following:

- Insulation Inspection
- Insulation Replacement
- Tube Replacement
- Refractory Repair
- Mechanical Repairs

Our Equipment

A complete list of the equipment necessary for

installation of refractory and insulation includes:

Gunning Machines (2)

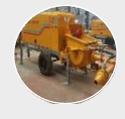
Shotcrete Machine (2)

Guillotine Metal Shear Machine (1)

Crimping Machine (1)















Mixing Machines (2)

Brick Saw Machine (1) **Sheet Metal** Forming Machine (1)

Our Experience

Nu-Iron Unlimited 2019 – Aronco Services Ltd

- Full Reformer Tube Change Out
- Dog Leg Repairs
- Bottom Assemblies Replacement
- Pressure Testing
- Successfully completed in 12 days
- Zero Accidents

Voestalpine LLC Texas 2021- Aronco USA Inc

- Full Reformer Tube Change Out inclusive of Reformer Roof Blankets
- Full Catalyst Change Out
- Furnace UBF Shaft Replacement inclusive of Refractory Replacement
- Successfully completed in 16 days
- Zero Accidents





Our Experience

Nu Iron Unlimited, Trinidad 2022 Aronco Services Limited

- Fabrication of Six (6) Feed Gas Headers
- Removal and Replacement of Two (2) Feed Gas Headers



AUI

Our Experience

Arcelor Mittal LLC Texas, November 2022 Aronco USA Inc.

- Changeout of 20 Heat Recovery Bundles and associated Insulation Works
- Changeout of 2 Expansion Joints on the Reformed Gas Line
- Refractory Repairs inside the Reformed Gas Line
- Fabrication and Installation of 2 Access Platforms on the Reformed Gas Line







Our Experience

Trinidad Cement Limited, August 2023 Aronco Services Limited

- Gunning Works in Kiln 4
- Supply of Brick layers

Our Experience

Nu-Iron Unlimited, September 2023 Aronco Services Ltd

- Changeout of 4 Hot Feed Gas Headers under the Reformer and all associated insulation works
- Cooling Tower Rebuild on Cell 1
- Cooling Tower Inspection on Cells 2-7





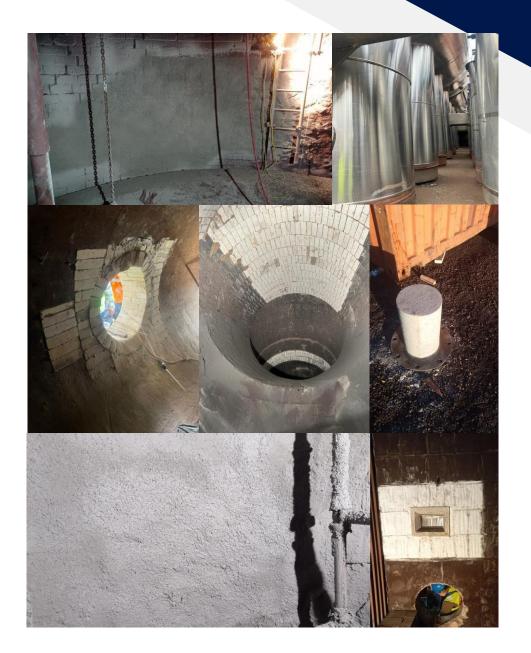


Our Experience

Arcelor Mittal LLC Texas, September 2023 Aronco USA Inc.

- Changeout of 4 Cold Combustion Air Bundles and associated Insulation Works
- Changeout of 2 Hot Feed Gas Headers
- Leak Testing of 12 HRU Bundles
- Installation of 4 Spring Cans
- Changeout of the Furnace Feed Conveyor Belt





Our Experience

Arcelor Mittal LLC Texas, November 2023 Aronco USA Inc & DAKS MR

- Refractory Repairs to Various Ducting
- Shotcreting of the Furnace (test area)
- Installation of 2 thermocouples in the Furnace
- Installation of 12 viewports and 12 sampling points in the Heat Recovery Unit

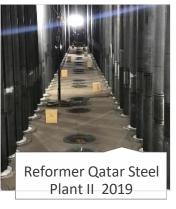
Additional Experience

Our Refractory & Insulation Specialist has thirty (30) years of expert experience in Project
Management and supervision of projects in the Petrochemical, oil and gas, metallurgic, cement,
glass and food industries. Over the years he has successfully completed projects on Midrex Plants
where he gained extensive expert knowledge in the maintenance of various Midrex Direct Reduction
Plants with special emphasis to Refractory and Installation.









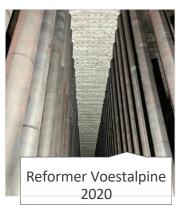












Our Promise

Safety & Quality

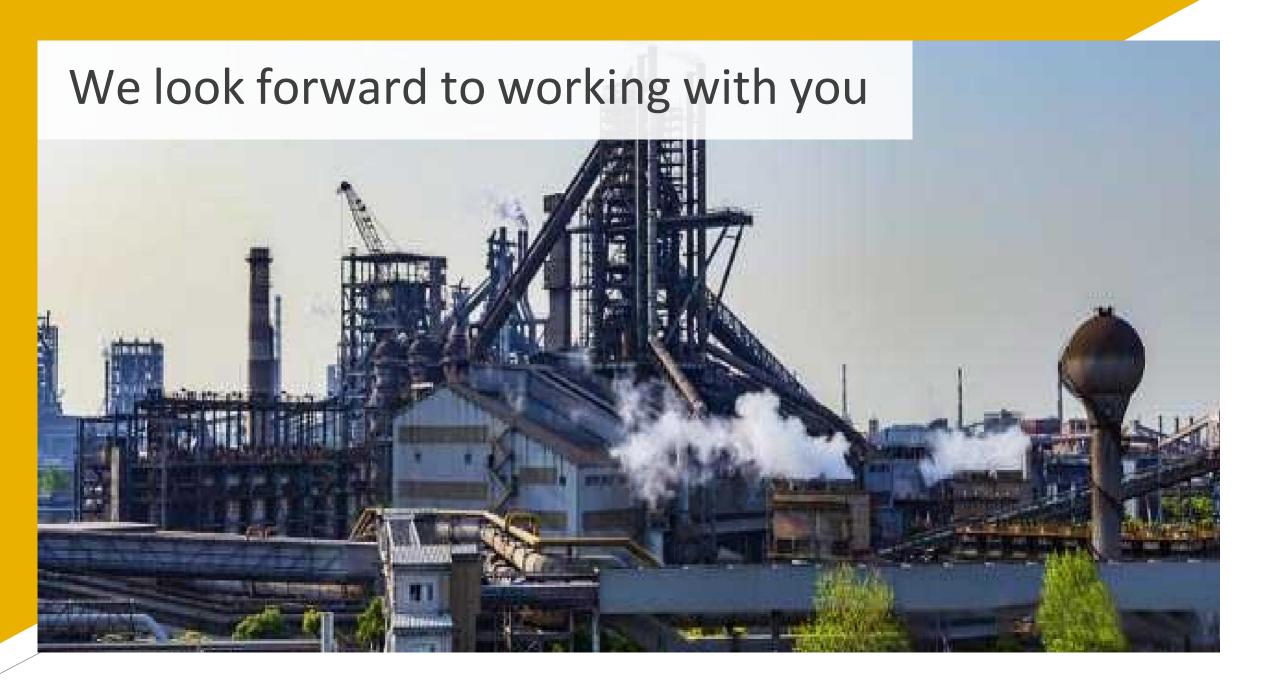
HSE Policy

- Our Health, Safety and Environmental (HSE) policy and practices centre around a zero-harm philosophy toward people, host communities and the environment. We are committed to executing and managing its activities to ensure the preservation of health, safety and security of all employees, contractors, sub-contractors, clients and the community.
- ASL has been STOW certified since 2013 in the high risk category. This has helped us to obtain a competitive advantage within the energy sector. Our improved HSEQ management system through the STOW programme has resulted in a reduced number of incidents and less downtime, which improved efficiency in business operations.

Quality Policy

- ARONCO SERVICES LIMITED (ASL) strives to achieve enhanced customer satisfaction by delivering quality products and services through timely completion within a safe working environment.
- This is done by adhering to set specifications, as well as, contractual, regulatory and statutory requirements. The company's objective is for contractors and suppliers to be working to a satisfactory standard, meeting all company and client legislative contractual requirements.
- In order to adhere to this policy, site personnel are to have appropriate PPE and follow the risk assessment control measures.







Thank You.



Palaash Narase



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