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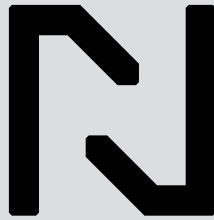
**MASTERING STRENGTH.
WORLDWIDE.**

NITREX

A GLOBAL SOLUTIONS PROVIDER



WE ARE THE ONLY
FULLY INTEGRATED
SOLUTIONS PROVIDER
IN THE PREMIUM
SURFACE TREATMENT
MARKET.



HEAT
TREATMENT
SERVICES

TURNKEY
HEAT TREAT
SYSTEMS

PROCESS &
FLOW
CONTROLS

NITREX

CORPORATE
BROCHURE

A Global
Solutions
Provider



A WORD FROM OUR CEO

In a fast-changing world where customers are looking for superior and sustainable quality, and are committed to enhancing the strength and durability of their products as well as the efficiency of their operations, NITREX is the go-to expert solution.

NITREX is a unique, fully integrated metal surface treatment solutions provider, offering three business lines: furnaces, heat treatment services, and software and controls. For almost four decades, we've been setting standards and defining strength, providing customers with products and systems that last longer, and consistently performing better while meeting the highest industry standards.

As CEO of NITREX, I am committed to continuously striving to establish a superior, more innovative, and compelling group to deal with, to work for, and to interact with, all while building and maintaining trusting relationships.

We exist because of our customers, our passionate employees, and the expertise, diligence, and innovation they bring to our products and services.

Together, we are NITREX.

JEAN-FRANCOIS CLOUTIER

Chief Executive Officer / jf.cloutier@nitrex.com

**GETTING YOUR ENGINEERED PARTS
TO ACHIEVE HIGHER PERFORMANCE
AND EFFICIENCY IS YOUR
TOP PRIORITY.**

**HELPING YOU TO SUCCEED
IS OURS.**

NITREX

CORPORATE
BROCHURE

A Word
from Our
CEO



OUR VALUES

LEADERSHIP

We thrive at the forefront of the heat treatment industry.
We drive evolution. We advance science and technology.
We are the industry's definitive voice in what is possible
and what strength precisely means.

EXPERIENCE

We are experts to our customers. They experience the NITREX
difference in our solutions, unrivalled expertise, partnering
relationships, and in services delivered with genuine care.

AGILITY

We rapidly adapt, respond, innovate, improve, and evolve to
overcome challenges and solve tomorrow's problems today.

DILIGENCE

Precision, craftsmanship, thoroughness, attention to detail,
and utmost care go into everything that we do.

NITREX

CORPORATE
BROCHURE

Our
Values

1984

FOUNDATION OF NITREX

Objective: Set a new standard in computer-controlled nitriding & nitrocarburizing processes with revolutionary NITREG® technology.



2000

NITREX RECOGNIZED FOR GREEN INITIATIVES

NITREX receives Massachusetts Governor's Award for **Outstanding Achievement in Toxics Use Reduction**, which succeeds at reducing the ammonia consumption at the General Electric plant by 98%.



2007

CONTINUES DIVERSIFICATION STRATEGY

Grows process controls business further, acquires US companies *Furnace Control Corp (FCC)*, *Marathon Monitors (MMI)*, and *Wauke*.



1990

THE PATH OF GROWTH

Michel Korwin, Founder, takes the company on the path of growth, opening commercial heat treatment centres in Canada and the USA, as well as the sales and marketing of turnkey systems to OEM manufacturers.

2004

DIVERSIFIES BUSINESS PORTFOLIO

Enters process control & automation market with the acquisition of *Process-Electronic GmbH*.

2012

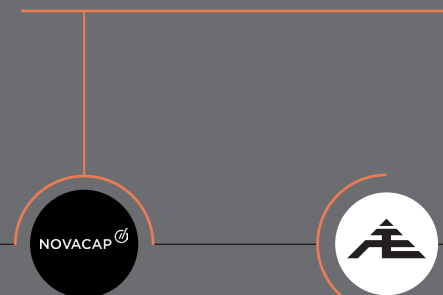
UNITED PROCESS CONTROLS IS BORN

Unifies the process & automation business operations in the USA under one banner.

2015

**CANADIAN EQUITY FIRM NOVACAP
ACQUIRES A MAJOR STAKE IN NITREX**

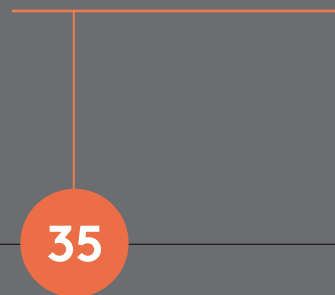
Partnership accelerates future growth
& operational enhancements with more
investments in R&D and key regions.



2019

35th ANNIVERSARY

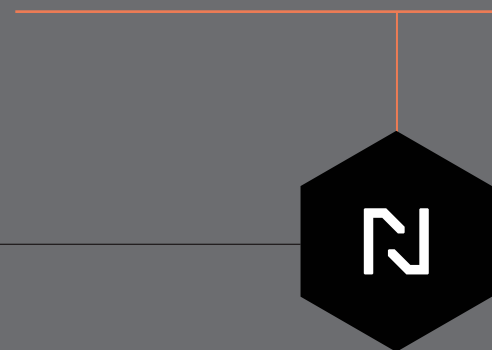
NITREX celebrates 35 years
of innovation & excellence.



2021

NEW BRAND IDENTITY

New brand identity marks NITREX 2.0
continuous development of global expansion
strategy integration of AI/ML capabilities.



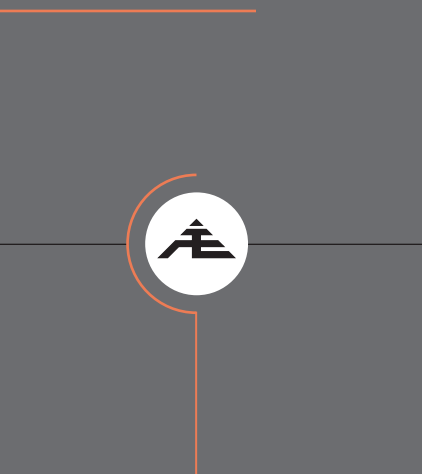
NITREX

CORPORATE
BROCHURE

2017

GROWTH WITH ACQUISITION

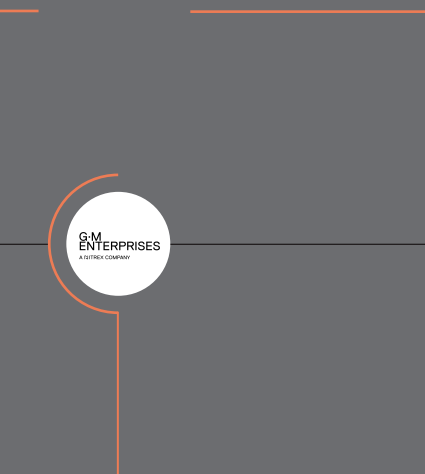
United Process Controls grows with
acquisition of *Atmosphere Engineering*.



2020

**FROM NITRIDING TURNKEY SYSTEMS
TO VACUUM HEAT-TREATING SYSTEMS**

Acquisition of *G-M Enterprises* enables
NITREX to enter the vacuum furnace
market and expand its turnkey
system offerings.



Where
We Come
From



HEAT TREATMENT SERVICES

YOUR GLOBAL PARTNER IN HEAT TREATMENT

We utilize clean heat treatment technologies that enhance critical components for a variety of industrial products, improving their quality and durability, and are repeatedly chosen by blue-chip customers.

Customers benefit from our comprehensive range of services at multiple locations, leveraging our global expertise, capabilities, and resources to meet their evolving needs for efficiency, reliability, and sustainability.

35+ YEARS OF EXPERIENCE IN HEAT TREATMENT.

We distinguish ourselves with our unique service capabilities, driven by proprietary technologies, software and specialized industry expertise, as well as a significant intellectual property, heat treatment knowledge, and formula library.

OVER 30 HEAT-TREATING SOLUTIONS AVAILABLE

NITREX offers a variety of heat-treating processes and heat treatments that improve quality and add value to your products - enhancing wear resistance, increasing surface hardness and fatigue life, which allow for weight reduction in parts resulting in their better performance and energy savings.

- NITREG® NITRIDING
- NITREG®-C NITROCARBURIZING
- NITREG®-S NITRIDING OF STAINLESS STEELS
- ONC® IN-PROCESS POST OXIDATION
- LOW PRESSURE CARBURIZING
- CARBURIZING & CARBONITRIDING
- VACUUM HEAT TREATING

NITREX

CORPORATE
BROCHURE

Heat
Treatment
Services

TURNKEY HEAT TREAT SYSTEMS

HIGH-END PREMIUM NITRIDING, NITROCARBURIZING & VACUUM TURNKEY EQUIPMENT

NITREX turnkey systems are backed by technical, technological, and end-market support with superior quality and reliability year after year, which enhances the performance, productivity, and cost-efficiency of each application.

As a leading heat-treatment solutions provider, we develop solutions to customer's application challenges, offering high-quality nitriding, nitrocarburizing, and vacuum heat-treat systems, including custom process technologies backed by in-depth technical expertise in application and material development.

QUALITY SURFACE TREATING SYSTEMS & RELIABLE TECHNOLOGIES

Our Turnkey Solution includes formula development, engineering support and testing, on-site installation, training and aftermarket parts/services. With over 4,000 highly specialized formulas, we are able to select the perfect solution for the desired application, reducing R&D and test times.



NITREX

CORPORATE
BROCHURE

Turnkey
Heat Treat
Systems



PROCESS & FLOW CONTROLS

HIGH-END ENGINEERED INSTRUMENTATION & CONTROL SOLUTIONS FOR THE SURFACE TREATMENT INDUSTRY

NITREX is a global provider of process controls for the heat-treatment industry. The company offers world-class sensors, flow and process controls, Endothermic and Exothermic gas generators, and complete turnkey furnace controls upgrade solutions.

This is combined with engineering and technical support with extensive process experience in Carburizing, Nitriding, Low Pressure Carburizing, Annealing, and many other processes. We offer both standard and custom solutions for retrofit and new applications.

UPGRADE CAPABILITIES + PROLONG THE LIFESPAN OF SURFACE TREATMENT FURNACES & MACHINES

NITREX has an extensive surface treating background with expertise in instrumentation, control systems, process development, metallurgy, commercial and captive heat-treating, and furnace service

and maintenance. We use specialized components and integrated solutions to upgrade capabilities and prolong the lifespan of surface treatment furnaces and machines.

NITREX

CORPORATE
BROCHURE

Process
& Flow
Controls

NITREX AFTERMARKET

ENHANCE THE CONNECTIVITY AND OPERATION OF THE ENTIRE FURNACE SYSTEM

NITREX upgrade bundles contain the highest quality, vetted, and verified components to extend the life span and functionality of your NITREX nitriding, nitrocarburizing, and vacuum heat-treating system. Whether you upgrade the entire set or pick *à la carte* options

to build your package, our next-generation upgrades will boost your furnace performance and process efficiency, while ensuring compliance with the latest quality and safety standards.

CUSTOMER SERVICE PLANS THAT MAXIMIZE THE RETURN OF YOUR NITREX SYSTEM

NITREX Customer Service Plans are designed to optimize the operational reliability of your NITREX system throughout its lifecycle – reducing the likelihood of unexpected downtime, while keeping costs and lost time to a minimum. In addition to our standard term plans, we can also tailor

a service plan that meets your business requirements. NITREX all-inclusive service plans put the focus on four priorities: safety, productivity, prevention & longevity, and vetted & verified parts.

- 
- Plant at a glance
 - Quality control
 - Prescriptive maintenance
 - Smart formula support
 - Process simulation
 - Real-time technology informatics
 - Needs analysis and system performance feedback to your maintenance teams
 - Continual improvements relayed to you in real time

NITREX

CORPORATE
BROCHURE

NITREX
Aftermarket



TAKING THE LEAD WITH SMARTER SURFACE TREATMENT SOLUTIONS

ANALYZING

Analysis of your organization from a local perspective to your global requirements.

ASSESSING

Assessment of your system's state of health, anticipating future maintenance needs, parts, upgrades, and support.

ESTABLISHING

Establish what kind of support is required to meet all your technological needs & optimize the stages of your maintenance cycles.

ANTICIPATING

Anticipate preventive maintenance requirements in 1, 3, 5, and even 10+ years!



AI DIGITIZED PLANT
ENVIRONMENT



LEGACY
SUSTAINMENT



ENGINEERING &
TECHNICAL TEAMS



24/7
PHONE SUPPORT



CUSTOMIZED
AFTERMARKET
TECHNOLOGY



KNOWLEDGEABLE
STAFF

COMMITMENT TO QUALITY CONTROL



NITREX prides itself on providing customers with world-class quality surface treatment solutions that improve the component wear and corrosion properties, as well as the life span and productivity of their engineered parts. Maintaining quality is a core company value, and the entire team, from receiving to handling, processing, inspection, and shipping, are committed to upholding quality assurance and control procedures.

As a result of our ongoing commitment to quality, NITREX maintains several national and international accreditations. These certificates are critical to our efforts in delivering value to our customers, both now and in the future.

NITREX

CORPORATE
BROCHURE

Commitment
to Quality
Control

NITREX

MASTERING THE WORLD OF SURFACE TREATMENT

In a fast-changing world that demands durability, sustainability, quality and cost efficiency, more and more organizations, industries are embracing heat treating as a mission-critical process.

THAT'S WHERE WE COME IN.

Repeatedly chosen by blue-chip customers:

AEROSPACE



CHROMALLOY

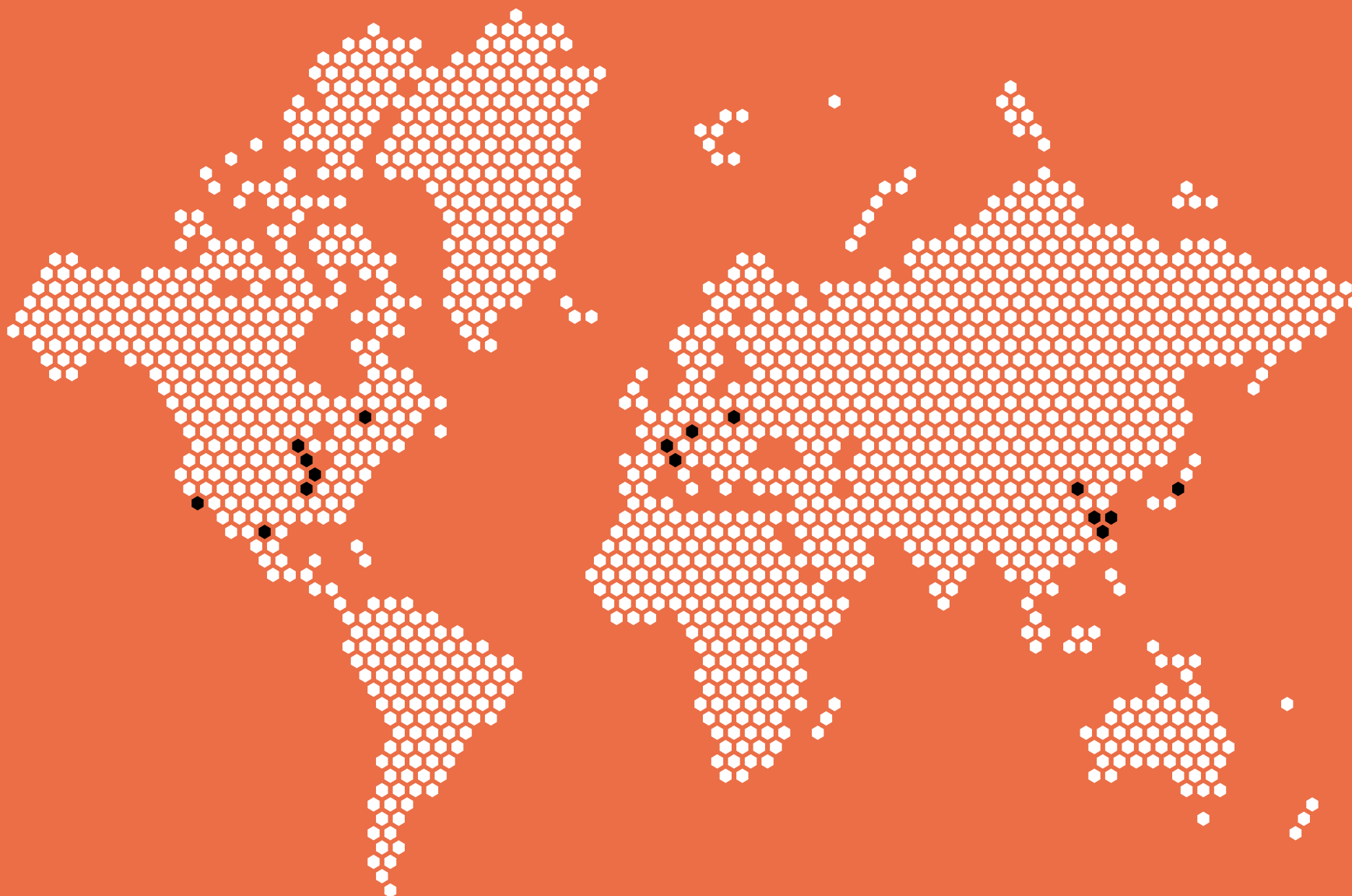


AUTOMOTIVE



INDUSTRIAL





NITREX

CORPORATE
BROCHURE

Global
Positioning

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