Contact

www.linkedin.com/in/james-wasas-1a6ab912 (LinkedIn)

Top Skills

Board Administration
Board Leadership
Leadership

Languages

English
Spanish

Honors-Awards

Platinum Award

Patents

Process and system for destroying carbonaceous materials and composition and system thereof

HYDROGEN SULFIDE CONVERSION TO HYDROGEN

Process and device for converting hydrogen sulfide into hydrogen gas and sulfur

Process and device for converting hydrogen sulfide into hydrogen gas and sulfur

James Wasas

Chief Science Officer at AMOR FELINE
Ravenna, Ohio, United States

Summary

I am a Chemist who loves to prevent or solve problems. I specialized in technologies to clean our air, our water, and our land. Sulfur is an essential element of life, but some of its compounds can be fatal. H2S is both essential, and a nemesis especially to catalytic processes. H2 Fuel Cells can give us the energy we need for transportation without polluting the environment, but their efficiency and ROI depend on the concentration of volatile sulfur compounds in the hydrogen and air. Current world standards call for no more than 4 ppb, but that high level causes power loss and premature failure. That's why I am the Chief Science Officer of Standard H2, Inc. the owner of the SULFUR MAGNET® technology that traps sulfur from most gases and water, and produces H2 with sulfur below 1 ppb.

Experience

AMOR FELINE
Chief Science Officer
April 2026 - Present (8 months)
Ravenna, Ohio, United States

H2 Final Filter, Inc.
Chief Science Officer
November 2021 - Present (5 years 1 month)
Ravenna, Ohio, United States

Standard H2, Inc. and H2 Final Filter, Inc.
Chairman of the Board of Directors
November 2021 - Present (5 years 1 month)
Ravenna, Ohio, United States

Dedicated to preparing the company to go public.

Standard H2, Inc
7 years 6 months

Chairman od the Board

September 2021 - Present (5 years 3 months)
Ravenna

Chief Science Officer
June 2019 - Present (7 years 6 months)
United States

Development and production of the SULFUR MAGNET for making ultra-high purity hydrogen that is 20 times more pure than current World Standards. This dramatically improves the ROI of H2 Fuel Cells ownership by removing H2S to below 200 ppt. The SULFUR MAGNET also cleans water by removing the rotten-egg odor of H2S, and gases like methane, nitrogen, air, etc. even removing nitrogen oxides from diesel exhaust.

Standard Hydrogen
Chief Science Officer
June 2019 - Present (7 years 6 months)
785 N. Freedom St., Unit B, Ravenna, OH 44266

Determine appropriate direction for R&D that will improve the healthfulness of our World.

Standard H2, Inc.
Chief Science Officer & Chairman of the Board
June 2019 - Present (7 years 6 months)
785 N. Freedom St., Unit B, Ravenna, OH 44266

Manage direction of R&D to create products and procedures for cleaning hydrogen to beyond current World standards of purity to raise the ROI of ownership and use of H2 Fuel Cells as well as cleaning air and water to improve the health of our planet.

Standard Hydrogen Co., Inc, Standard H2, Inc. H2 Final Filter, Inc.
Chief Science Officer
June 2019 - Present (7 years 6 months)
785 N. Freedom St., Unit B, Ravenna, OH 44266

ENVIROPAVERS, Inc.
Chief Operating Officer
December 2011 - Present (15 years)
Worldwide

I am responsible for:

1) helping our customers identify their specific needs,

2) specify what would be required to meet their needs,

3) source the items needed to satisfy their needs,

4) execute the purchase and delivery for the customer,

5) as needed, teach the use of the new technology/instrumentation/equipment.

Kent PaverBrick LLC & Kent PaverBrick Holdings LLC

Chief Science Officer

June 2015 - February 2020 (4 years 9 months)

Aurora, Ohio

1) Assisted in the design and acquisition of many of the components of this pilot plant created for the recycling of sand & gravel plant tailings.

2) Operated the plant analytical chemistry laboratory including ICP-MS and AA instrumentation.

3) Designed and implemented safe storage and handling practices for multi-ton quantities of sodium cyanide and sodium hydroxide.

4) Purchased molds to use to create a variety of products using this novel cyanide aglomerating process.

Great American Mint & Refinery, Inc.

Director of Refining Operations

January 2013 - May 2015 (2 years 5 months)

Anaheim, CA

I was responsible for:

1) the redesign and rebuilding of the existing gold and silver refineries,

2) automate the refining process by converting to graphite plates for easy silver crystal harvesting,

3) triple capacity without additional employees,

4) Install automatic water distillers to achieve zero waste via total solution recycle,

5) install in-house quality assurance with advanced ICP analysis for a faster turnaround.

SWAPSOL Corp

Chief Science Officer

July 2007 - December 2012 (5 years 6 months)

Eatontown, NJ

Conducted systematic research, and process development to:

1) Split hydrogen sulfide gas into pure hydrogen and sulfur, US Patent #9,290,386

2) React CO2 with H2S thus eliminating both, US Patent #7,718,152

3) Lower the cost of producing natural gas and landfill gas.

Conklin Marketing, Inc

Chief Science Officer

July 2001 - June 2007 (6 years)

New Jersey

I was responsible for:

1) the development of alcoholic and non-alcoholic consumer products,

2) specifying sub-contract manufacturing, marketing, and distribution,

3) invented "THE SPIRIT OF LIBERTY" American Cream Liqueur, the 2009 Geneva, Switzerland, World Spirits Competition Platinum Award winner (http://www.thespiritofliberty.com/mission.htm).

4) invented "LOVE POTION #9" the 2009 Geneva, Switzerland, World Spirits Competition Gold Medal winner in the cordial liquor category (http://www.lovepo9.com).

MINANCA

Project Manager

June 1999 - May 2001 (2 years)

Portovelo, Ecuador

Quadrupled daily throughput and increased gold production 64 fold in 2 years at this 120 employee, historic poly-metallic mine in Portovelo, Ecuador, by transforming mine operations, instituting grade control, increasing attrition, controlling ball mill solids, discontinuing the use of mercury, installing CIP cyaniding and modern gold refining to 999.9 Fine.

Please see: http://findarticles.com/p/articles/mi_pwwi/is_200606/ai_n16487443/

Compania Minera Zambrano S.A.

Project Manager

June 1997 - May 1999 (2 years)

Machala, Ecuador

I was responsible for:

1) purchasing and incorporating centrifugal concentrators using Falcon technology,

2) initiating optimized Merrill-Crowe gold precipitation, AA instrumentation, and refining to 999.9 Fine

3) tripled profits despite the declining gold market.

Rumicuri S.A.

Director Tecnico

June 1995 - May 1997 (2 years)

Ponce Enriquez, Ecuador

I was responsible for:

1) leading a team of engineers to designed and built a new CIP gold ore tailings treatment plant with an initial capacity of 50 t/d that could easily be expanded,

2) set into motion the expansion to a 2,000 t/d plant.

Amerbrit S.A.

COO

June 1990 - May 1995 (5 years)

Quito, Ecuador

I was responsible for:

1) designing and building a modern gold refinery to produce ultra-soft 999.999 Fine aerospace-grade "Butter Gold",

2) designing and building a refinery to produce 999 Fine Silver,

3) the production of 3 grades of silver nitrate (reagent, CP, and technical), plus reagent grade nitric acid and stannous chloride.

Geevor del Ecuador S.A.

Director of Research

June 1988 - May 1990 (2 years)

Quito, Ecuador

I was responsible for:

1) raising gold recovery from 35% to over 94% by discovering how to dissolve gold tellurides and other cyanide refractory gold minerals at GEEVOR PLC's Ecuadorian operation, Geevor del Ecuador S.A.

2) inventing/co-inventing a process known as “METHOD FOR GOLD RECOVERY USING CHLORINE DIOXIDE SOLUTION” in the patent literature and eliminated the need for ultrafine grinding.

Education

Rutgers, The State University of New Jersey-New Brunswick

BA, CHEMISTRY, with a minor in BUSINESS ADMINISTRATION · (1963 - 1968)

East Brunswick High School

College Prep, Chemistry · (1959 - 1963)