

List of key projects carried out, concessions operated, and fields discovered during the last 12 years by Dr Madi

Belize	Onshore Belize with Fire Creek Belize since mid-2020	An Oil Discovery with reserves of 24-millions barrels in-place was made and 4 delineation wells drilled. We discovered 2 by-passed Cretaceous plays within the same structure and a regional deeper play (Jurassic); these require additional seismic and drilling to confirm size and potential resources that may exceed 300 million barrels in-place.
Oman	Rub al Khali, Block 36 (in partnership with Norwegian DNO, 2014-2017)	Awarded Block 36 in 2011. acquired 1,050 km of 2D seismic and reprocessed of over 5000 km of existing seismic. Drilled an exploration well with DNO. Post-mortem analysis found there was no valid trap.
Oman	Rub al Khali, Block 36 (with APEX 2017-2020)	Matured 5 conventional leads into drillable prospects; and recently, and after months of hard work, discovered a regional light tight oil play (unconventional) on the southern flank of the Rub al Khali basin. Based on this finding, EOG Resources acquired our block 36 for cash and royalty and conduct operations.
Oman	Block 36 (with EOG Resources 2017-2020)	Drilling of 2 exploration wells with 2 horizontal legs of 1650 m). Discovered gas field that tested over 10 million cf/d.
Egypt	Onshore Egypt with Madison PetroGas	Acquired an exploration block onshore Egypt. After interpreting the seismic, we drilled two exploration wells on two separate prospects, and discovered 2 oil fields . Both were successful (one light oil field with proven reserves of 15 MMbbls, while the second was heavy 12° API oil).
Egypt	Onshore Egypt with Madison PetroGas	Followed over 16 delineations wells drilled to start production. Production varied from 3,000 to 7,500+ bbls/day. Discovery of a heavy oil field onshore Egypt. Planned thermal development patterns with an objective of applying cyclic steam to several small heavy oil fields.
Cameroon	Onshore Cameroon with Madison Petro	Obtained a concession, then after seismic acquisition, we identified a suite of prospects. Picked the drilling location and made a gas discovery .
Algeria	2015-2017 with Emerald	Reservoir characterization of marginal oil fields of the northern carbonate province. Determination of a new Tight Oil play in North-East Algeria with huge potential oi/gas undiscovered resources.
Algeria	2020 with Emerald	Investigating a regional stratigraphic glaciogenic reservoir constrained by Late Ordovician paleo-valleys in SE Algeria
Tunisia	Onshore Tunisia with Madison Petro	Conducted regional evaluations to farm-in with Numhyd on western Tunisia and central Tunisia onshore Hammamet basins.
Tunisia	Onshore Tunisia with Apex	Evaluated numerous shut-in and D&A wells and identified candidates for reactivation and re-entry.
Senegal	2014 with Apex & Al Ghurair, Dubai	Assessment of the hydrocarbon potential of onshore Senegal with focus on Louga and St. Louis blocks, Northern Senegal.
Tanzania	2009-2010 with Madison PetroGas	Evaluation of the several basins, including the southern Rovuma basin. Detailed G&G study of the 1 TCF Songo-Songo gas field. We farmed in Calgary-based Arthumas blocks 3 &6.
Mozambique	2008-2009 with Madison PetroGas	Evaluation of the Rovuma basin, along the border with Tanzania.
Albania	2015 with Apex & Bankers Petroleum	Portfolio assessment of an Operator in Albania: characterization of fractured carbonate, controls of their reservoir quality and their intimate association with deep-seated strike-slip faults.

Alberta, Canada	2017 with Emerald Resources	Source rock assessment: Established the maturity map of the Duvernay based on Rock-Eval analysis of few dozens of wells in Western Alberta.
Manitoba, Canada	2017 with Emerald Resources	Detailed geological correlations of Mission Canyon, Alida, Lower Amaranth and Tilston West and south of North Pierson. Sedimentological description and sequence stratigraphy analysis of the Mississippian series.
Saskatchewan, Canada	2018 with Emerald Resources	Evaluated Avalon thermal asset in 27-52-W3M, Central Saskatchewan, and was able to identify sweet spots where stacked channel units were developed in Green Street, which – after encouraging in-place resources estimate- led to launch the SAGD project (drilling of twin horizontal wells along the thickest channel axis) approximately 200 km south from the core areas where SAGD projects are developed.
North Dakota, USA	2018 with Emerald Resources	Detailed geological/geochemical analysis that led to identify a new Bakken play in SW Manitoba . Reservoirs' mapping & Structural analysis and determination of what control the occurrence of oil fields.
Iran	2015-2016 with Apex	Hydrocarbon potential analysis and blocks screening of <u>numerous areas</u> of Iran. Also did Reservoir characterization of Sumar oil field.
UAE	Ras El Kheima, Bukha west Oil Field (JVC partnership with Al Ghurair 2006-2009)	Interpreted Block 8 2D/3D seismic interpretation of Bukha and West Bukha Fields; carried out Petrel Geological Modeling, vertical and horizontal development wells planning & execution.
Pakistan	VC partnership with Al Ghurair 2006-2009)	Evaluated several fields and basins and collaborated with a local oil company and the state-owned company... blocks include Sari West, Mari East, Salam, Mirpur Khas, Mirpur Mathelo...
Chad	2014 with DNO International	The remaining exploration potential of Chad. Identification of the overlooked areas between the Termit-Bornu and Bongor rifts.
Senegal	2014 with Apex & Al Ghurair	Assessment of the hydrocarbon potential of onshore Senegal with focus on Louga and St. Louis blocks, Northern Senegal.
Tanzania	2008-2009 wit Madison PetroGas	Evaluation of the several basins, including the southern Rovuma basin. Detailed G&G study of the 1 TCF Songo-Songo gas field.
Mozambique	2008-2009 wit Madison PetroGas	Evaluation of the Rovuma basin, along the border with Tanzania.
France	2012-2013 in partnership with Thermopiles	In early 2012, we farmed out in two permits (Chailley & Parc du Chêne) in Paris Basin, two others in Aquitaine basins, and planned to develop the Meistratzhein-1 Field in Obernai Permit, Alsace, Eastern France. <i>The Frac ban, which was critical to our operations, stopped our involvement.</i>
France	2012-2013 Chailley Permit, in partnership with Thermopiles	Carried out a detailed geological evaluation of the Callovian Dogger reservoir quality, and more importantly the depositional play fairway southwest and identified/mapped a regional tight oil play with Potential Resources estimated at 600 million barrels in-place on the Permit.
Business Development	Continuously evaluate assets, concessions, and shut-in wells	Attended physical data rooms, virtual data rooms, technical/economic evaluations of assets, concessions and shut-in wells in various basins and countries (e.g., Algeria, Libya, Tunisia, Turkey, Greece, Ukraine, Kazakhstan, Iran, Oman, Yemen, Bahrein, Iraq, India, Ukraine, Spain, Croatia, Columbia, Brazil, Argentina, Malaysia, Indonesia, Australia, Ivory-Coast, Sudan, Tanzania, Gabon, Nigeria, Congo, Niger, Chad ...)