



PRESSURE VESSELS

FILTRATION & SEPARATION GROUP

HEATING GROUP

iSystems Industries provides a complete range of filtration and separation equipment designed to combat vapor and other contaminants. Specialized in engineering, design, procurement and fabrication of **pressure vessels** with **ASME U & U2** stamps and **CE marking** in various materials including HIC-tested carbon steel, alloy and low-alloy steel, clad (or weld-overlaid) steel and solid stainless steel.



iSystems Industries' in-house engineering department provides full mechanical design for pressure vessels including code calculations, drafting, and shop drawings. FEA analysis can be performed where necessary with a wide scope from analysis of lifting lugs or transport saddles to thermal/p-pressure cycle analysis coupled with fatigue analysis.

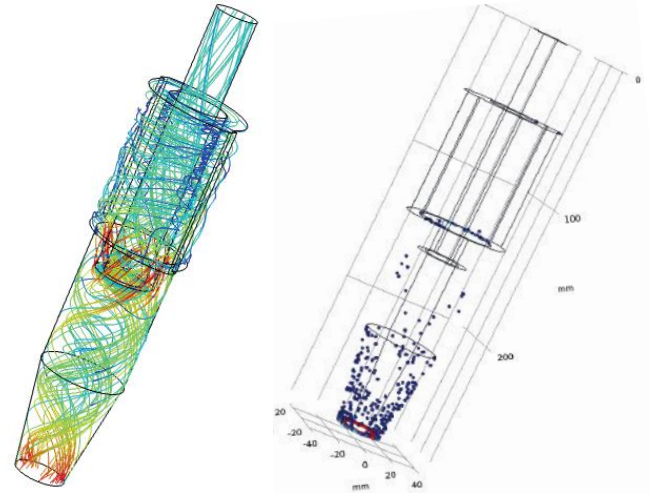
The in-house fabrication activities include CNC cutting, head forming, shell rolling, fit-up and welding, NDE (including TOFD), heat treatment, coating and packing. Based on project requirements, iSystems Industries can also provide refractory lining, internal coating, supply and assembly of internals, fabrication and trial assembly of ladders & platforms.



FILTRATION & SEPARATION

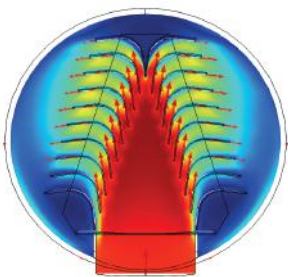
With vast experience since 25 years, **iSystems Industries** develop, design and produce mass transfer equipment and can offer solutions for all your separation problems. Our portfolio includes state-of-the-art products for particle separation, liquid separation, phase separation, liquid-liquid extraction and slug catcher.

iSystems Industries provides a complete range of filtration and separation equipment with inhouse internal design for separating liquid equipment with inhouse internal design for separating liquid droplets, solid particles and other contaminants on oil and natural gas sector.

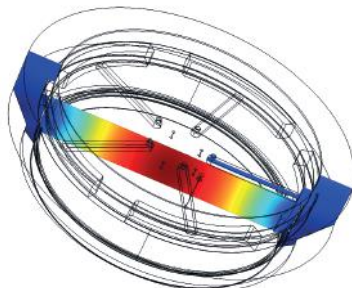


Cyclonic Separation

iSystems Industries' internal research and development unit supports industrial companies worldwide with contract research, services such as diagnostics and certified testing as well as one-off production and engineering. Also, its design & engineering team is integrated with reputable universities to create and renovate new products by using **CAE, CFD** and mathematical calculation based on last edition of standards and rules.



Schoepentoeter Inlet Device

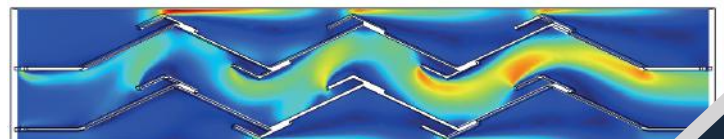


Quick Opening Closure

Regardless of compelling geographical conditions, **iSystems Industries** provides; sturdy, sustainable and cost efficient natural gas filtering solutions all around the globe.

Designed and engineered to deliver outstanding performance & system control, together with maximum segregation efficiency and the lowest cost, **iSystems Industries'** solutions include:

- Dry Gas Cartridge Filters
- Vertical / Horizontal Filter Separators
- Coalescer Cartridge Filters
- Knock-Out Drums
- Cyclonic Separators
- Slug Catchers
- Two-Phase Separators
- Three-Phase Separators
- Inlet Distributor Devices
- Quick Opening Closures

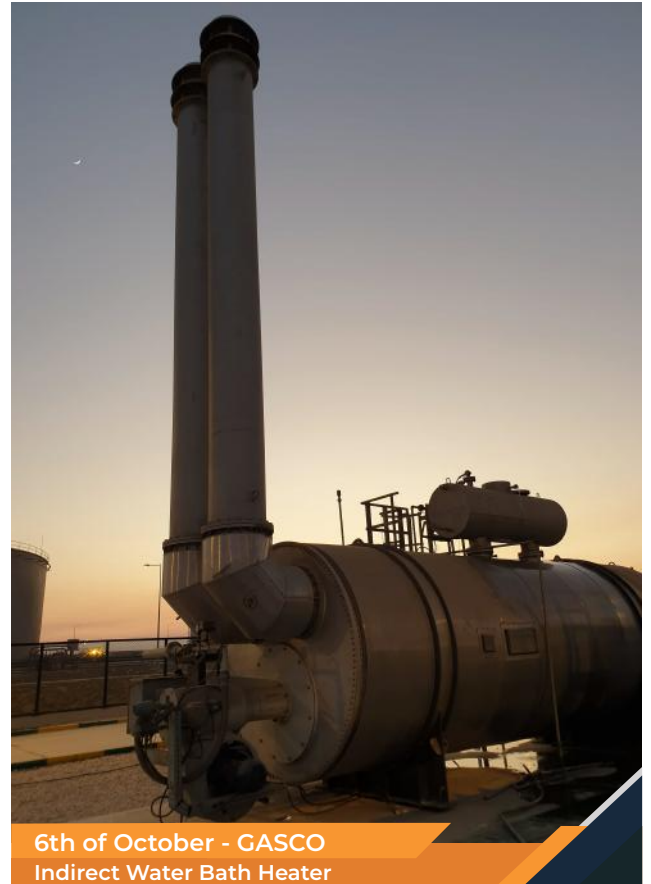


HEATING

Energy consumption accounts for a significant part of oil & gas production costs. Minimizing energy consumption through more efficient process heat recovery is critical to profitability in the face of increasing energy costs. Increasing process heat recovery efficiency delivers immediate and significant cost savings that translate directly to the bottom line.

iSystems Industries provides advanced heat transfer solutions for oil and natural gas production in both onshore and offshore locations. Lightweight and highly efficient heat transfer surfaces combine with robust and compact designs developed and optimized by iSystems engineering specialists with using CAE and CFD solutions to deliver reliable performance over many years, meeting the demands of the oil and gas industries for maximum heat recovery in demanding process conditions.

iSystems Industries' AHX heat transfer solutions for the oil & gas sector are based on a complete range of **shell** and **tube type** heat exchanger technologies including **U type**, **kettle type**, **inline heat exchangers** and **indirect water bath heaters, AHWBH**. These range from high-capacity, heavy-duty units to small, compact designs, and are available either as standard solutions or as customized units based on intelligent designs and various materials.



6th of October - GASCO
Indirect Water Bath Heater



Esenyurt - IGDAS
U Type Heat Exchangers

iSystems Industries offers a flexible and comprehensive range of service which can be tailored to suit your project requirements; process design, feasibility studies, detailed engineering, equipment manufacture and supply installation. With decades of experience in oil and gas industry, all the separator internals and exchangers offered are designed and manufactured by iSystems to be installed within the vessel in its final position in our facilities.

REFERENCES

DATE	PROJECT	END USER	COUNTRY	QTY	TYPE	BODY	NOZZLES	Pres. Class
2019	Aksuat Filtering Stations	Intergas Central Asia	Kazakhstan	1	AHF	1600	800	1600
2019	Saksaulsk Filtering Stations	Intergas Central Asia	Kazakhstan	1	AHF	1600	800	1600
2019	Karaozek Filtering Stations	Intergas Central Asia	Kazakhstan	1	AHF	1600	800	1600
2019	Shornak Filtering Stations	Intergas Central Asia	Kazakhstan	1	AHF	1600	800	1600
2019	Gardabani CCTPP	Gardabani TPP	Georgia	1x2	AHFS	1600	800	1600
2018	Natgas Pressure Control & Metering Systems	Natgas National Gas Co.	Egypt	1X2	AHF	250	100	600
2018	Natgas Pressure Control & Metering Systems	Natgas National Gas Co.	Egypt	1X2	AHF	250	100	600
2018	Egypt Gas Pressure Control & Metering Systems	Egypt Gas	Egypt	10x12x1	AHF	200	80	150
2018	Town Gas Pressure Control & Metering Systems	Town Gas	Egypt	1X2	AHF	300	150	600
2018	NVGC Pressure Control & Metering Systems	Nile Valley Gas Company S.A.E	Egypt	1-1X2	AHF	500	200	600
2018	Trans Gas (Qilin) Pressure Control & Metering Systems	Trans Gas	Egypt	1	AHFS	500	50	600
2017	SAMSUNG-ACWA Power Kırıkkale Combined Cycle Power Plant	ACWA Power	Turkey	2	AHFS	400	100	600
2017	Azerbaijan, Container Based Pressure Control & Metering System	GAS EXPORT (SOCAR)	Azerbaijan	1X6	AHFS	700	200	300
2016	Masreen Iron Company Pressure Control & Metering System	Masreen Iron Company	Egypt	1	AHF	250	100	600
2015	Gardabani Power Plant Project	Gardabani TPP	Georgia	1	AHFS	750	300	600
2015	Gardabani Power Plant Project	Gardabani TPP	Georgia	1x2	AHFS	750	300	600
2015	South Hurghada Touristic Pressure Control & Metering System	House Gas	Egypt	1	AHFS	400	100	600
2015	Kızık Pressure Control & Metering Facility	Kayserigaz	Turkey	2	AHF	500	250	600
2015	Ail Salalah Free Zone Pressure Control & Metering Facility	Associated Industries Limited SFZ	Oman	1	AHF	250	100	600
2015	Azerbaijan, Container Based Pressure Control & Metering System	GAS EXPORT (SOCAR)	Azerbaijan	6X1	AFHS	600	300	600
2014	Sarl Biscra Pressure Control & Metering System	SARL BISCIRA	Algeria	1	AHF	300	80	600
2014	Abu Tubul Gas Metering Facility	OOCEP	Oman	2	AHF	300	50	600
2014	Aliaga Pressure Control & Metering System	İzmirgaz Gas Distribution Co	Turkey		AHFS	600	200	600
2014	Yeşilyurt Pressure Regulating & Metering System	İzmirgaz Gas Distribution Co CO	Turkey	1	AHF	400	30	600
2014	Hasanpaşa Gas Compressor Facility	İETT	Turkey	1	AHF	150	50	300
2014	Konya Gas Compressor Facility	KONYA Municipality	Turkey	1	AHF	250	100	300
2014	Lezita Pressure Control & Metering System	ATOM ISI	Turkey	1	AHFS	250	80	600
2014	LEBAP Power Plant Project	Turkmenenergo	Turkmenistan	1x2	AHF	500	200	600
2014	MARY Power Plant Project	Turkmenenergo	Turkmenistan	1	AHFS	500	200	600
2014	Ferizli - Söğütü Pressure Control & Metering System	AGDAŞ	Turkey	2	AHFS	500	200	600
2014	Karasu Pressure Control & Metering System	AGDAŞ	Turkey	2	AHFS	250	250	600
2014	AHAL-3 Power Plant Project	Turkmenenergo	Turkmenistan	2	AHF	500	200	600
2014	Bekirpaşa Pressure Control & Metering System	AGDAŞ	Turkey	2	AHFS	600	250	600
2013	Steg El Borma Control Regulating & Metering System	Societe Tunisien Ne De L'electricite Et Du Gaz	Tunisia	1	AHFS 150	150	50	150
2013	ASSUIT Pressure Control & Metering System	NILE VALLEY GAS CO.	Egypt	1	AHF 300	300	100	6
2013	Kilis Pressure Control & Metering System	GAZDAŞ Gaziantep Gas Distribution Co	Turkey	2	AHF 500	500	200	600
2012	Modern Suez Gypsum Pressure Control & Metering Station	Modern SUEZ Gypsum Company	Egypt	2	AHF 150	150	80	600
2012	Erzurum Aşkale Pressure Control & Metering System	ERENTEK ELEKTRİK YAPI SAN. VE TİC. LTD. STİ	Turkey	1	AHF 200	200	80	150
2012	DNM Textile Pressure Control & Metering Station	DNM Textile For Spining Weaving And Dyeing	Egypt	1	AHF 100	150	80	600
2012	Bostan Elsokhna Pressure Control & Metering System	City Gas	Egypt	2	AHF 150	150	80	600
2012	RWE Denizli 800 MW CCGT Power Plant	RWE	Turkey	1	AHFS 900	900	400	600
2012	RWE Denizli 800 MW CCGT Power Plant	RWE	Turkey	1	AHF 200	200	100	600
2012	OMV Samsun, 800MW CCGT Power Plant	OMV	Turkey	1	AHF 200	200	80	300
2012	New Giza Pressure Regulating & Metering Station	Town Gas	Egypt	1	AHF150	150	50	150
2011	Gazdaş Gaziantep Pressure Control & Metering Facility	Zorlu Energy	Turkey	1	AHF 200	200	(50-100)	300
2011	Yalova Pressure Control & Metering Facility	Arsan Armagaz Gas Distribution Co	Turkey	1	AHF 600	600	300	600
2011	Ceramic Factories Gas Pipeline & CTS Project	SGC (Syria Gas Company)	Syria	1	AHF 200	200	80	300
2011	Trakyagaz Lüleburgaz Pressure Control & Metering Facility	Zorlu Energy	Turkey	2	AHF 200	200	(50-100)	300
2011	Trakyagaz Çerkezköy Pressure Control & Metering Facility	Zorlu Energy	Turkey	1	AHF 600	600	300	600

HEAT EXCHANGER REFERENCES

DATE	PROJECT	END USER	COUNTRY	Q.TY	TYPE	TEMA CLASS	Pres. Class
2019	Gardabani-II CCTPP	Gardabani CCTPP	Georgia	2	AHX1600	R	1600
2018	NVGC Pressure Control & Metering Systems	Nile Valley Gas Company SAE	Egypt	1-1X2	AHX 400	R	600
2017	Mary II Power Plant Project	Turkmenenergo	Turkmenistan	2X2	AHX 600	R	600
2017	Palgaz Demirciler, Pressure Control and Metering Facility	PalGaz	Turkey	2	AHX 600	R	600
2016	Palgaz Muallimköy, Pressure Control and Metering Facility	PalGaz	Turkey	3	AHX 600	R	600
2016	Bursagaz Iznik Pressure Control & Metering System	BursaGaz	Turkey	2	AHX 400	R	600
2016	Esgaz Muttalip, Pressure Control and Metering Facility	ESGAZ	Turkey	3	AHX 600	R	600
2016	Esgaz Zincirlikuyu, Pressure Control and Metering Facility	ESGAZ	Turkey	3	AHX 600	R	600
2016	Energaz Akşehir Pressure Control & Metering System	ESGAZ	Turkey	2	AHF 400	R	600
2016	Energaz Iğın Pressure Control & Metering System	Enerya	Turkey	2	AHX 400	R	600
2016	Energaz Kadınhanı Pressure Control & Metering System	Enerya	Turkey	2	AHF400	R	600
2016	Bekirpaşa Pressure Control & Metering System	AGDAŞ	Turkey	3	AHX 600	R	600
2015	Esenyurt, Pressure Control and Metering Facility	Istanbul Gas Distribution Co	Turkey	5	AHX 750	R	600
2015	Pendik, Pressure Control and Metering Facility	Istanbul Gas Distribution Co.	Turkey	5	AHX 750	R	600
2015	Watan Power Plant Project	Turkmenenergo	Turkmenistan	2	AHX 600	R	600
2015	Derweze Power Plant Project	Turkmenenergo	Turkmenistan	1	AHX 750	R	400
2014	AHAL-2 Power Plant Project	Turkmenenergo	Turkmenistan	2	AHX 600	R	600
2014	Gas Distribution Station for Gardabani CCTPP	GARDABANI TPP	Georgia	2	AHX 600	R	600
2014	Kızık Pressure Control & Metering Facility	Kayserigaz	TURKEY	3	AHX 600	R	600
2014	MARY Power Plant Project	Turkmenenergo	Turkmenistan	2	AHX 600	R	600
2014	Ferizli - Söğütü Pressure Control & Metering System	AGDAŞ	Turkey	2	AHX 600	R	600
2014	Karasu Pressure Control & Metering System	AGDAŞ	Turkey	2	AHX 600	R	600
2013	Kilis Pressure Control & Metering System	GAZDAŞ	Turkey	2	AHX 500	R	600
2012	DNM Textile Pressure Control & Metering Station	DNM Textile	Egypt	1	AHX200	R	600
2012	DNM Textile Pressure Control & Metering Station	DNM Textile	Egypt	1	AHX 200	R	600
2012	DNM Textile Pressure Control & Metering Station	DNM Textile	Egypt	1	AHX 200	R	600
2011	Yalova Pressure Control & Metering Facility	ArmaGaz	Turkey	2	AHX 600	R	600
2011	Akmercan Gölbaşı Pressure Control & Metering System	Akmercan Gas Distribution Co	Turkey	2	AHX 400	R	600
2011	Trakyagaz Babaeski Pressure Control & Metering System	Zorlu Energy	Turkey	2	AHX 400	R	600
2011	Yalova Pressure Control & Metering Facility	ArmaGaz	Turkey	2	AHX 600	R	600
2011	Trakyagaz Çerkezköy Pressure Control & Metering Facility	Zorlu Energy	Turkey	4	AHX 600	R	600
2010	Ceramica Verdi Industrial Pressure Control & Metering System	Ceramica Verdi SpA	Egypt	2	AHX 400	R	600
2010	Çolakoğlu Industrial Pressure Control & Metering System	Çolakoğlu Metal Ltd	Turkey	2	AHX 500	R	600
2009	Bursa Nilüfer City Gate Pressure Control & Metering Facility	BURSAGAZ	Turkey	2	AHX 600	R	600
2009	Zwitina Power Plant Metering and Pressure Control Facility	General Electric Co. of Libya	Zwitina, Libya	2	AHX 400	R	400
2009	Wadi El Nile Industrial Pressure Control & Metering System	Nile Valley Gas Co	Egypt	1	AHX 400	R	600
2009	Bursa Veysel Karani City Gate Pressure Control & Metering Facility	BURSAGAZ	Turkey	2	AHX 600	R	300
2009	Adıyaman City Gate Pressure Control & Metering Facility	AKMERCAN	Turkey	1	AHX 600	R	600
2009	Bursa Nilüfer City Gate Pressure Control & Metering Facility	BURSAGAZ	Turkey	5	AHX 600	R	600
2007	Dashoguz 2X270 MW GT Power Plant Project	Turkmengaz	Turkmenistan	2	AHX 400	R	600
2006	BOTAS Natural Gas Distribution Stations	BOTAŞ	Turkey	2	AHX 400	R	400
2006	Petkim Aliaga Refinery Project	PETKIM	Turkey	2	AHX 400	R	400
2006	Tekirdağ City Gate Pressure Control & Metering Facility	TrakyaGaz	Turkey	2	AHX 600	R	600
2006	Ashgabat 2X270 MW GT Power Plant Project	Turkmenenergo	Turkmenistan	1X2	AHX 600	R	600
2004	Istanbul Tepeören City Gate Pressure Control & Metering System	IGDAS	Turkey	1	AHX 600	R	600
2004	Trakyagaz Çerkezköy Pressure Control & Metering Facility	Zorlu Energy	Turkey	4	AHX 600	R	600

**WATER BATH HEATERS
REFERENCES**

DATE	PROJECT	END USER	COUNTRY	QTY	Thermal Cap.
2019	Gardabani-II CCTPP	Gardabani CCTPP LLP	Georgia	4	4200000 kcal/h
2018	6th of October Power Station, Gas Filtering, Heating, Reducing and Metering Station	Egyptian Natural Gas Co.	Egypt	2	2000000 kcal/h
2018	El-Mahmoudia Power Station, Gas Filtering, Heating, Reducing and Metering Station	Egyptian Natural Gas Co.	Egypt	2	2500000 kcal/h
2018	Suez Thermal Power Station, Gas Filtering, Heating, Reducing and Metering Station	Egyptian Natural Gas Co.	Egypt	2	2500000 kcal/h
2018	Damanhour Power Station, Gas Filtering, Heating, Reducing and Metering Station	Egyptian Natural Gas Co.	Egypt	2	4100000 kcal/h
2018	South Helwan Power Station, Gas Filtering, Heating, Reducing and Metering Station	Egyptian Natural Gas Co.	Egypt	3	3700000 kcal/h
2018	NVGC Power Station, Gas Filtering, Heating, Reducing and Metering Station	Nile Valley Gas Company SAE	Egypt	1	120000 kcal/h
2018	TEDA Power Station, Gas Filtering, Heating, Reducing and Metering Station	City Gas	Egypt	1	80000 kcal/h
2018	Qillin Gas Filtering, Heating, Reducing and Metering Station	TAQA Arabia	Egypt	1	150000 kcal/h
2014	Boufarik 750 MW Power Station, Gas Filtering, Heating, Reducing and Metering Station	SoneIGaz	Algeria	2	5650 kcal/h
2011	New Giza Gas Filtering, Heating, Reducing and Metering Station	Town Gas	Egypt	2	570000 kcal/h
2017	Mary II Power Plant Project	Turkmenenergo	Turkmenistan	2	2100000 kcal/h
2017	Palgaz Demirciler, Pressure Control and Metering Facility	PalGaz	Turkey	2	40000 kcal/h
2016	Palgaz Muallimköy, Pressure Control and Metering Facility	PalGaz	Turkey	2	40000 kcal/h
2016	Bursagaz Iznik Pressure Control & Metering System	BursaGaz	Turkey	2	50000 kcal/h
2016	Esgaz Muttalip, Pressure Control and Metering Facility	ESGAZ	Turkey	2	42000 kcal/h
2016	Esgaz Zincirlikuyu, Pressure Control and Metering Facility	ESGAZ	Turkey	2	42000 kcal/h
2016	Energaz Akşehir Pressure Control & Metering System	ESGAZ	Turkey	1	42000 kcal/h
2016	Energaz Ilgın Pressure Control & Metering System	Enerya	Turkey	1	30000 kcal/h
2016	Energaz Kadinhanı Pressure Control & Metering System	Enerya	Turkey	1	30000 kcal/h
2016	Bekirpaşa Pressure Control & Metering System	AGDAŞ	Turkey	1	45000 kcal/h
2015	Esenyurt, Pressure Control and Metering Facility	Istanbul Gas Distribution Co	Turkey	4	1200000 kcal
2015	Pendik, Pressure Control and Metering Facility	Istanbul Gas Distribution Co.	Turkey	4	1200000 kcal
2015	Watan Power Plant Project	Turkmenenergo	Turkmenistan	4	2700000 kcal/h
2015	Derweze Power Plant Project	Turkmenenergo	Turkmenistan	4	2700000 kcal/h
2014	AHAL-2 Power Plant Project	Turkmenenergo	Turkmenistan	4	2700000 kcal/h
2014	Gas Distribution Station for Gardabani CCPP	GARDABANI TPP	Georgia	2	1800000 kcal/h
2014	Kızık Pressure Control & Metering Facility	Kayseregaz	TURKEY	1	38000 kcal/h
2014	MARY Power Plant Project	Turkmenenergo	Turkmenistan	4	2700000 kcal/h
2014	Ferizli - Söğütlü Pressure Control & Metering System	AGDAŞ	Turkey	1	27000 kcal/h
2014	Karasu Pressure Control & Metering System	AGDAŞ	Turkey	1	27000 kcal/h
2013	Kilis Pressure Control & Metering System	GAZDAŞ	Turkey	1	35000 kcal/h
2012	DNM Textile Pressure Control & Metering Station	DNM Textile	Egypt	1	24000 kcal/h
2012	DNM Textile Pressure Control & Metering Station	DNM Textile	Egypt	1	24000 kcal/h