

theMG

COMPANY INTRODUCTION

PLATE HEAT EXCHANGER

Mar. 2025

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COMPANY INTRODUCTION

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OUR BUSINESS

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3. GPHE
4. BPHE
5. Automatic Filter

PRODUCTION & QUALITY CONTROL

VALUED CUSTOMERS

COMPANY INTRODUCTION

1. Our Vision

A leading heat exchanger provider

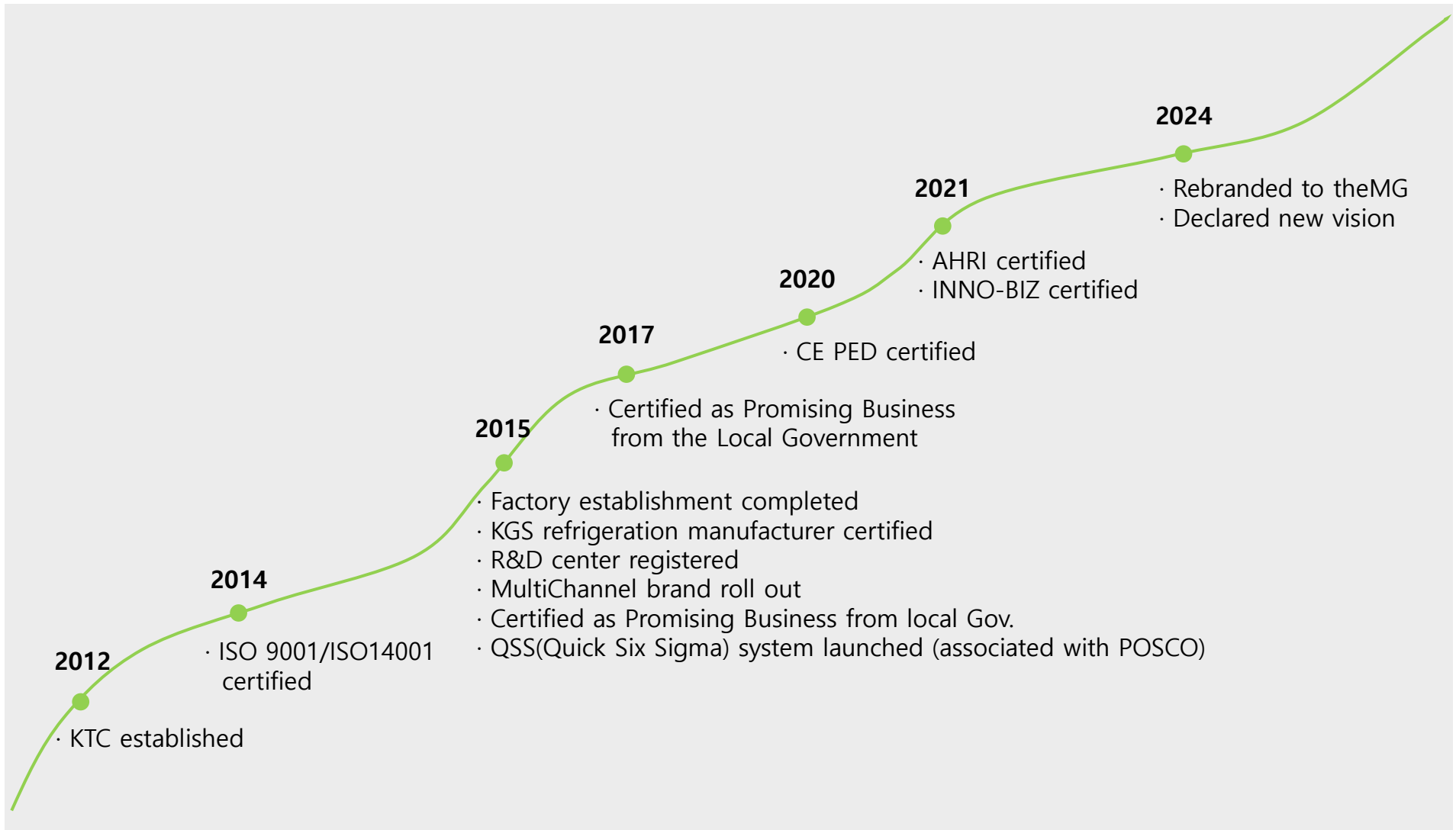
theMG is an energy company specialized in developing and manufacturing plate heat exchangers, which are core devices transferring thermal energy. We offer AHRI and CE PED certified gasketed, brazed and semi-welded plate heat exchangers to meet for all customer needs.

Our plate heat exchanger is the perfect solution for general and heavy industries as well as hi-tech industries. Marine and shipbuilding is our core business that customers can get differentiated and reliable services.

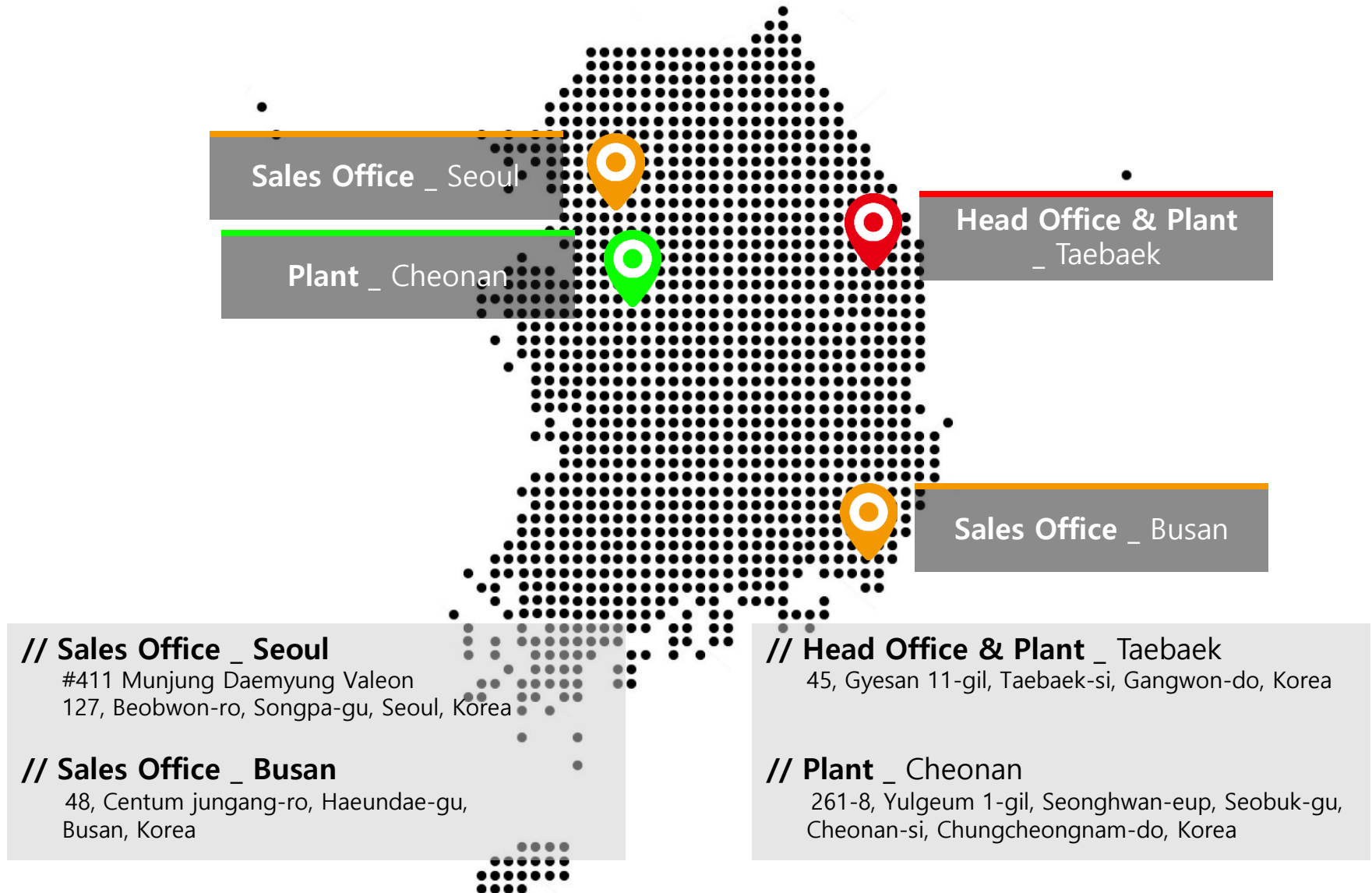
theMG is striving for new technology development to support convenient and efficient energy use and business sustainability of our customers, and playing the role of a leader in the energy industry.



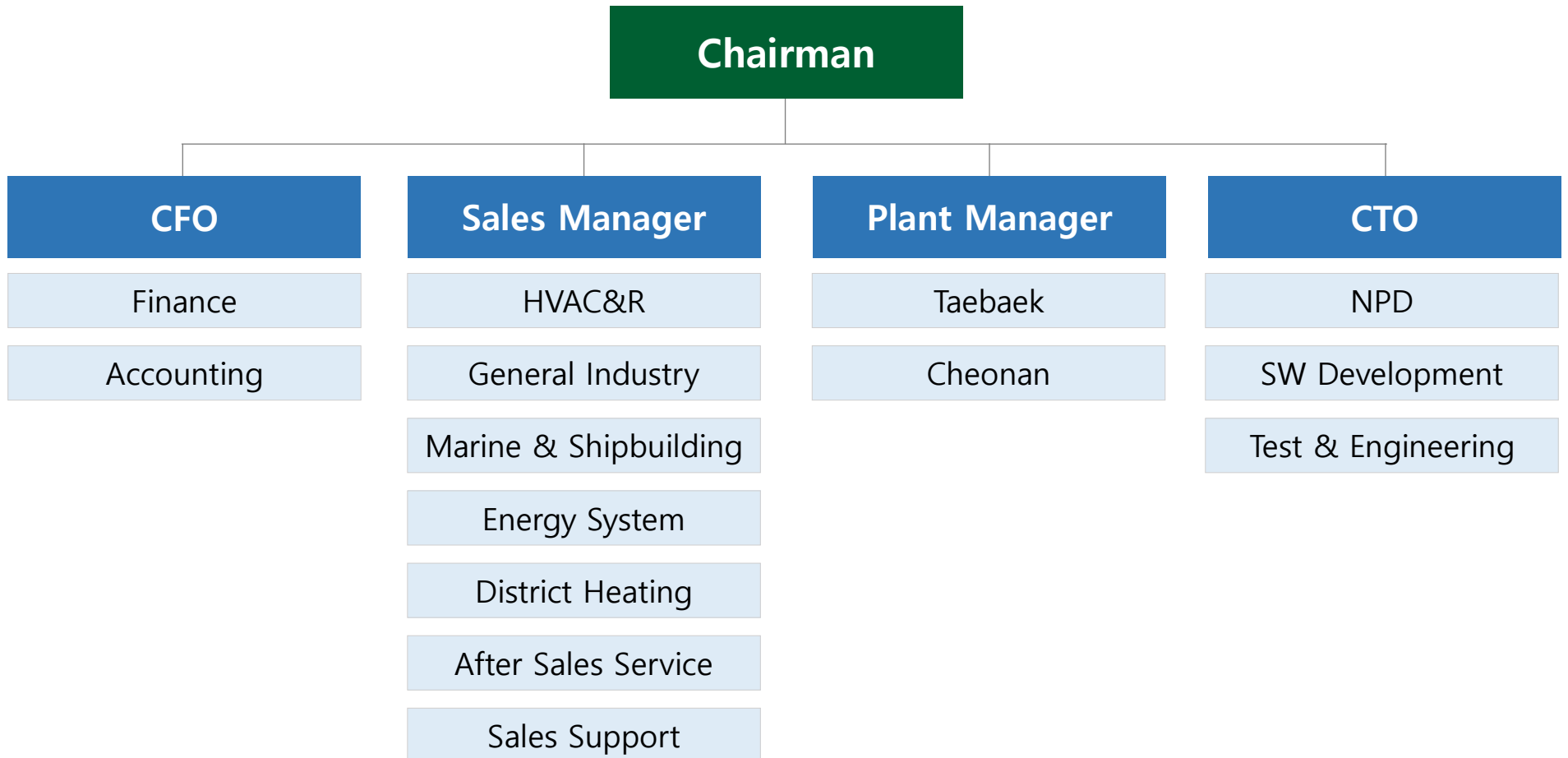
2. History & Highlights



3. Offices & Plants



4. Organization



theMG

2

**Certificate of Korea
Marine Equipment
Association Member**

5. Certificates & Approvals

Certificate of Manufacture Condenser, Evaporator, Pressure Vessel

CE Certificate

Certificate of Registration ISO9001

Certificate of Registration ISO14001

AHRI Certificate
Liquid to Liquid Heat Exchangers
AHRI Standard 400

제 2015-4220072-16-5-00001 호		(인국)	
		지선부장님	장세경과와
		담당차장	박인식
		전화번호	033-559-2307

특정설비 제조 등록증명서

①사업의종류	확장설비		
②상호	케이티파우эр코리아		
③사업소 소재지	강원도 태백시 계산1길 45 (강성동)		
④설비명(대표자)	홍주영	⑤생년 월 일	1969년 02월 12일
종 류		구 격	
①출구기, 냉동기, 특정설비 ②냉동기	확장설비		말단송기, 송출기, 송출기

「고압가스 안전관리법」 제5조제1항, 제5조제2제1항 또는 제2항과 같은 법 시행규칙 제6조제1항제3호에 따라 출기(냉동기)·특정설비)의 제조등록 또는 등록증을 마쳤으므로 출기(냉동기)·특정설비)제조 등록증명서를 발급합니다.

2015. 10. 02 월 21 일

대
백
시





Certificate of Quality System Approval

This is to verify that the product listed below conforms to the requirements of the
Pressure Equipment Directive 2014/68/EU
 Annex II Module H.

Certificate Number	HP/VS-IP2019-090-Q-G4-01	Date of Expiry	15-July-2026
Date of Issue	09-May-2021	Surveillance since	15-July-2024
Manufacturer	TOSMAG Co., Ltd. 45, Gyeongsu 11-Gil, Taeseon-e, Gyeongsan-do, 28050, Korea		

Description of Pressure Equipment	Blended Natural Gas Exchangers (JAC and MS types)
Equipment Identification	CE marked as Category I and II hot exchangers
Type of material	EN 10217-2 2019 Quality Management system certificate no. Q28-18507-2019
Original Declaration	ASME Sec. VIII, Div. 1
Report Reference	IP2019-090-4

The Certificate is valid in any European Economic Area Member State.

This Report has been issued by HPI Verification Services (United Kingdom, UK), which is a body notified to the European Commission according to the provisions of the Pressure Equipment Directive (Notified Body number 018).

This Report is issued following the assessment of the documentation and implementation of the Quality System in accordance with the requirements of the Pressure Equipment Directive and of the above standards. The HPI Mark may be affixed to the product following the receipt of approval as described above on the EU Declaration of conformity (to be signed by the responsible person). The number 018/2019, using HPI Verification Services (United Kingdom, UK) Notified Body number issued also appears on the equipment dataplate.



Quality Inspector



Technical Director



ASME U Certified Certificate Body 0055



UK Notified Body 018/2019
Certificate Number: 018/2019-090-4
UK Notified Body



HPI Verification Services (United Kingdom, UK)
Dunfermline, UK
01870 766617



CE Marked Body No. 018/2019
Certificate Number: 018/2019-090-4
UK Notified Body



HPI Marked Body No. 018/2019
Certificate Number: 018/2019-090-4
UK Notified Body



Certificate of Registration

This is to certify that :

THEMG CO., Ltd.

45, Gomsa 1-gil, Incheon-si, Gangseo-dong, Rep. of KOREA

Has been granted by International Certification Registrar Ltd., in respect of their
Quality Management Systems and found to comply with

ISO 9001:2015

Approval is hereby granted for registration following the rules and conditions
relating to certification as observed at all times.

Certification Scope

The Design, development, production and Repair services of plate type heat exchanger and
pressure vessel

Certification Date: 30th October 2024 Certification Issue Date: 30th October 2024 Certification No.: Q21892124	Initial Issued Date: 31st December 2015 Expiration Date: 30th December 2027 IAF CODE: 18
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** This certificate is valid by completion of compliance with which is conducted within 12 months from the certification date.*

** Rules apply to the detailed activities and limitations of scope details.*

The Seal of ICR Limited was here to be affixed
in the presence of :



President







ICR Limited, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750



Certificate

of Registration

THEMG Co., Ltd.

45 Gomsa 11th Industrial Co-Operative, Road #3082-A

This is to certify that:

Has been issued by International Certification Registrar Ltd., in respect of their Environmental Management Systems and found to comply with

ISO 14001:2015

Approval is hereby granted for registration providing the rules and conditions stipulated in certification are observed at all times.

Certification Scope

The Design, development, production and Repair service of plate type heat exchanger & pressure vessel

V 2019 04 01 01 01 01 01

Certification Date : 30th October 2024 Certificate Issue Date: 30th October 2024 Certificate No.: IRI17524	Initial Issue Date: 11th December 2017 Expiration Date: 30th October 2027 IAR CODE: 18
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* This certificate is valid if complete certification audit with a scheduled visit 7 months from the certification date.

* Valid as per the limited certificate terms and conditions of audit.

The Seal of ICR Limited was to be affixed in the presence of



President







ICR Ltd, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 71

 ANALYTICAL LABORATORY INCORPORATED www.aahlri.com	2019 REVISED REVISION	 www.aahlri certified.org
Liquid to Liquid Heat Exchangers AHLRI Standard 400		
October 12, 2021		
Attention: Mr. VCE, Inc.		
Cover 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250, 252, 254, 256, 258, 260, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000, 1002, 1004, 1006, 1008, 1010, 1012, 1014, 1016, 1018, 1020, 1022, 1024, 1026, 1028, 1030, 1032, 1034, 1036, 1038, 1040, 1042, 1044, 1046, 1048, 1050, 1052, 1054, 1056, 1058, 1060, 1062, 1064, 1066, 1068, 1070, 1072, 1074, 1076, 1078, 1080, 1082, 1084, 1086, 1088, 1090, 1092, 1094, 1096, 1098, 1100, 1102, 1104, 1106, 1108, 1110, 1112, 1114, 1116, 1118, 1120, 1122, 1124, 1126, 1128, 1130, 1132, 1134, 1136, 1138, 1140, 1142, 1144, 1146, 1148, 1150, 1152, 1154, 1156, 1158, 1160, 1162, 1164, 1166, 1168, 1170, 1172, 1174, 1176, 1178, 1180, 1182, 1184, 1186, 1188, 1190, 1192, 1194, 1196, 1198, 1200, 1202, 1204, 1206, 1208, 1210, 1212, 1214, 1216, 1218, 1220, 1222, 1224, 1226, 1228, 1230, 1232, 1234, 1236, 1238, 1240, 1242, 1244, 1246, 1248, 1250, 1252, 1254, 1256, 1258, 1260, 1262, 1264, 1266, 1268, 1270, 1272, 1274, 1276, 1278, 1280, 1282, 1284, 1286, 1288, 1290, 1292, 1294, 1296, 1298, 1300, 1302, 1304, 1306, 1308, 1310, 1312, 1314, 1316, 1318, 1320, 1322, 1324, 1326, 1328, 1330, 1332, 1334, 1336, 1338, 1340, 1342, 1344, 1346, 1348, 1350, 1352, 1354, 1356, 1358, 1360, 1362, 1364, 1366, 1368, 1370, 1372, 1374, 1376, 1378, 1380, 1382, 1384, 1386, 1388, 1390, 1392, 1394, 1396, 1398, 1400, 1402, 1404, 1406, 1408, 141		

6. Patents

Expandable Plate Pack for Heat Exchanger

Heat Exchanger for Individual Household and its Installation Method

Gasket Structure of Plate Heat Exchanger

Oil Recirculation Device for HVACR

Diffusion Welding Method of Stainless Steel for Plate Heat Exchanger



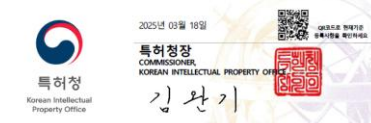
위의 발명은 「특허법」에 따라 특허원부에 등록되었음을 증명합니다.
This is to certify that, in accordance with the Patent Act, a patent for the invention has been registered at the Korean Intellectual Property Office.

위의 발명은 「특허법」에 따라 특허원부에 등록되었음을 증명합니다.
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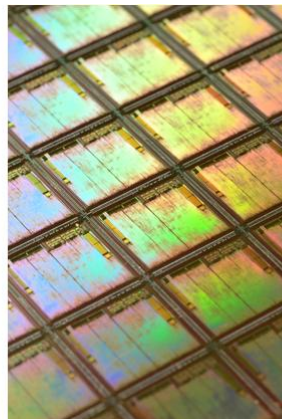
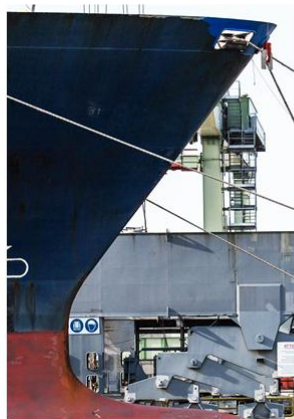
위의 발명은 「특허법」에 따라 특허원부에 등록되었음을 증명합니다.
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This is to certify that, in accordance with the Patent Act, a patent for the invention has been registered at the Korean Intellectual Property Office.



OUR BUSINESS

1. Our Business



HVAC
REFRIGERATION

LIGHT INDUSTRY
HEAVY INDUSTRY

PETROCHEMICAL
OIL & GAS

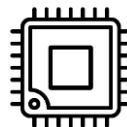
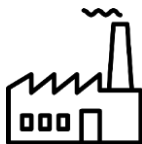
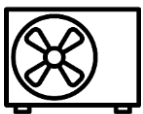
MARINE
SHIPBUILDING

SEMICONDUCTOR

DISTRICT HEATING
POWER STATION

FOOD
INDUSTRY

PHARMACEUTICAL



2. Product Mix

GPHE

Gasketed Plate Heat Exchanger

BPHE

Brazed Plate Heat Exchanger

Self-Cleaning Automatic Filter



3. GPHE _ Introduction

Tailor-made plate heat exchangers for your application

DESCRIPTION

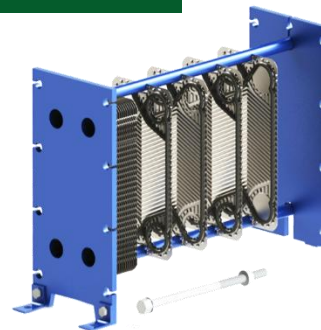
Specially designed heat exchanger for every single application. Stainless steel, nickel and titanium plates with different types of gasket by temperature range are applied.



ADVANTAGES

- Thermal energy utilization
- System stabilization
- Minimum footprint and heat loss
- Flexible capacity
- Easy maintenance
- Less lifetime cost

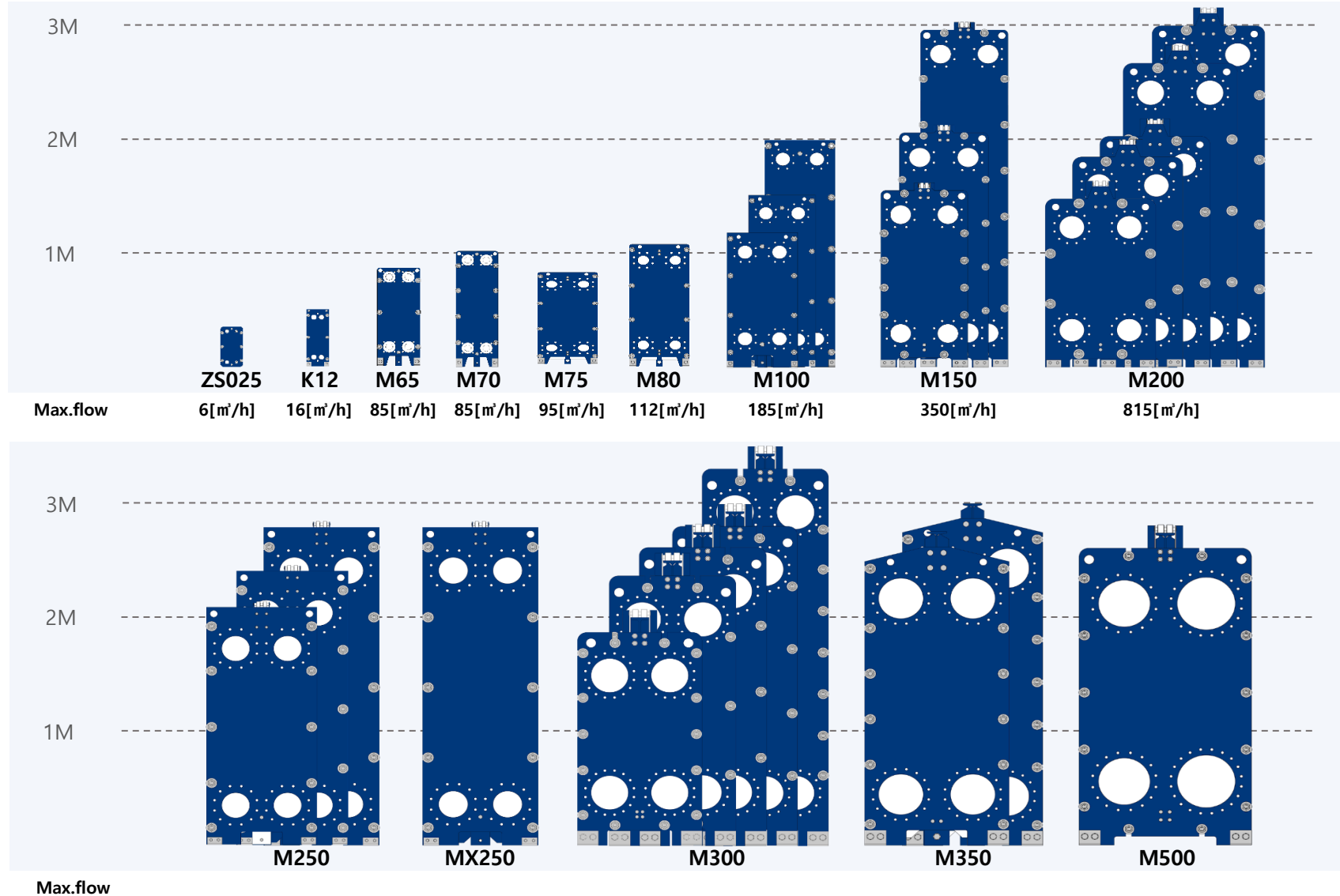
STRUCTURE



APPLICATION

- HVAC & refrigeration
- Commercial cooling & heating
- Food & beverage
- Chemical
- Marine

3. GPHE _ Product Lineup



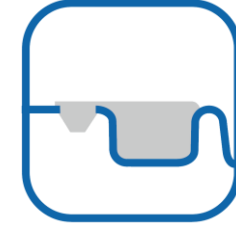
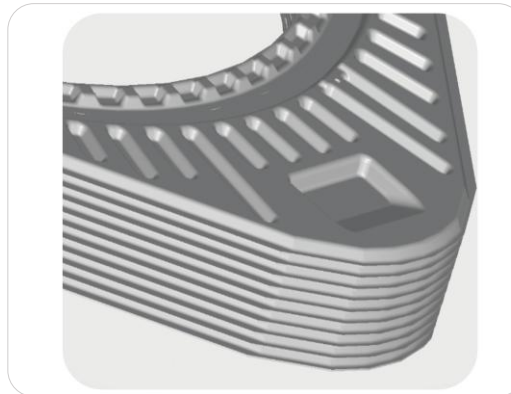
3. GPHE _ Technology



Unique corrugated pattern for even flow distribution



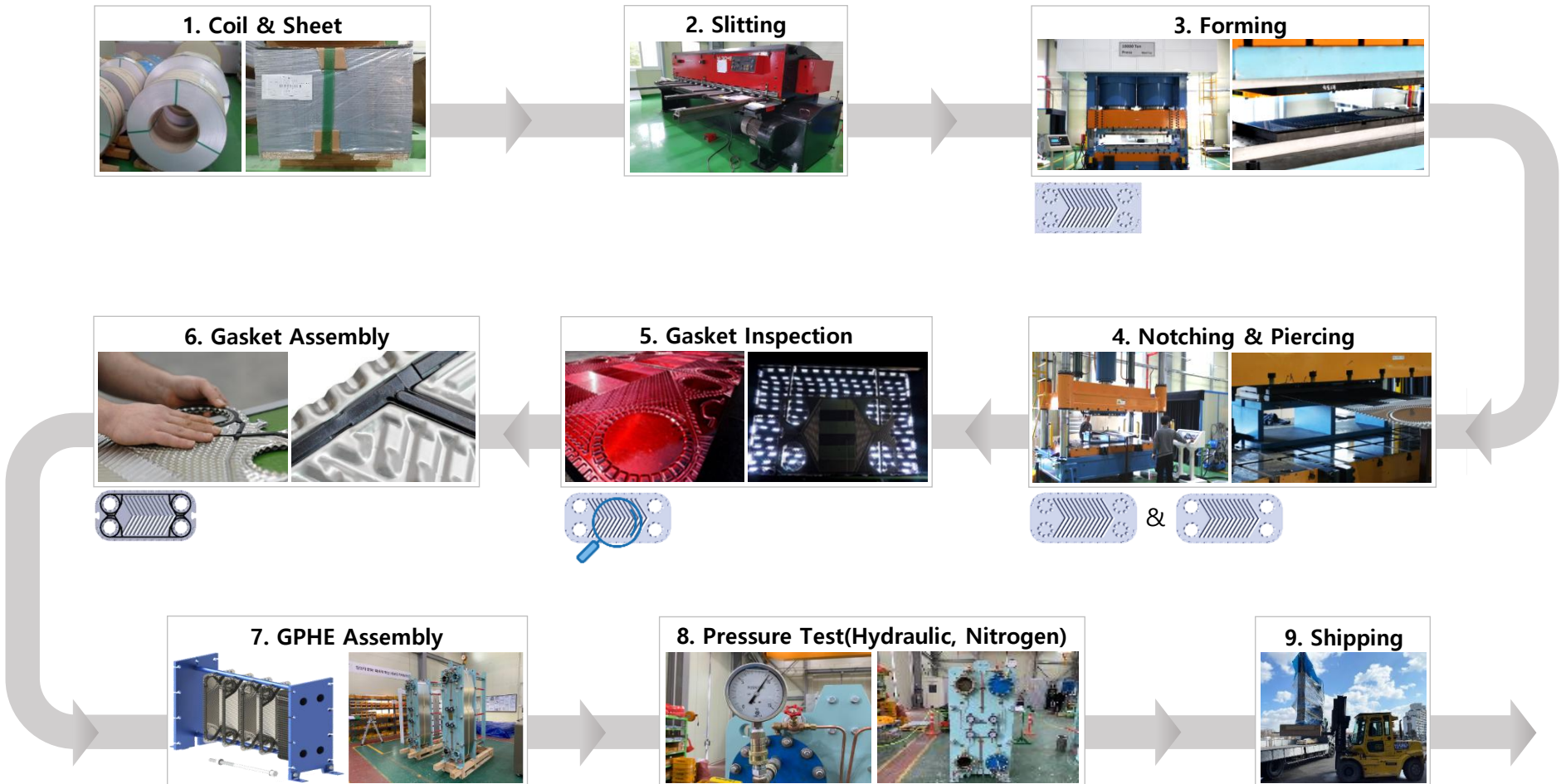
Plate alignment system for high durability and leak-free operation



Gasket for plate snaking and distortion protection



3. GPHE _ Manufacturing Process



4. BPHE _ Introduction

High heat transfer coefficient with low pressure drop

DESCRIPTION

High operating pressure and temperature to meet various applications in general industries, HVAC&R and high-tech businesses.

ADVANTAGES

- Compact size and high heat transfer coefficient
- High working pressure up to 45bar
- Wide working temp. range from -196 °C to 200°C
- Copper & stainless steel brazed
- Condenser and evaporator in one unit (All-in-One)

Copper Brazed



Stainless Steel Brazed



STRUCTURE



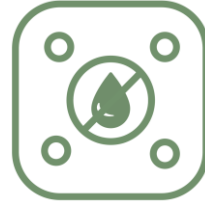
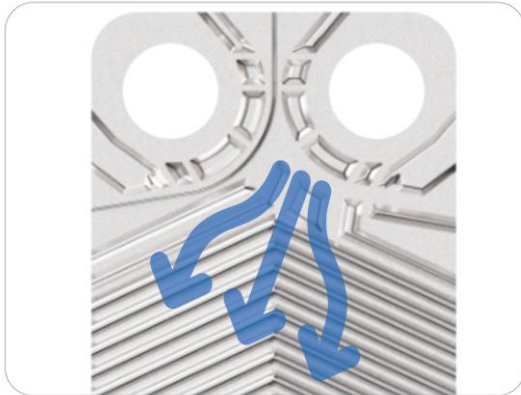
APPLICATION

- Industrial HVAC&R
- Commercial cooling & heating
- Residential heating
- Semiconductor
- Energy
- Leisure

4. BPHE _ Technology



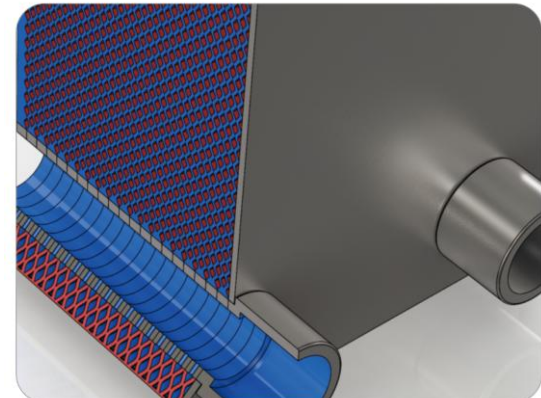
Optimized fluid distribution channel



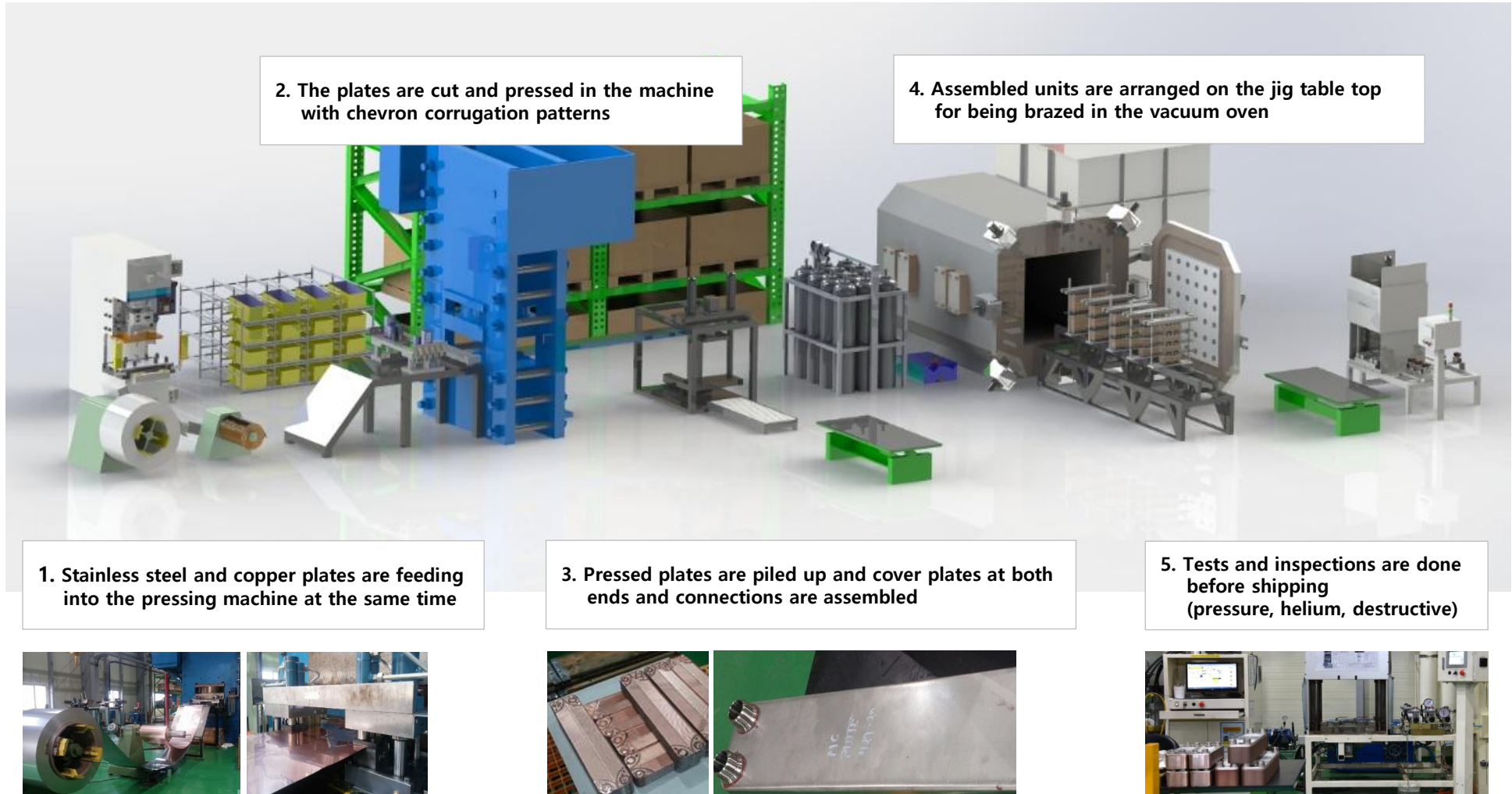
Dual sealing safety zone for leakage prevention



Evenly controlled fluid speed
In each channel



4. BPHE _ Manufacturing Process



5. Automatic Filter _ Introduction

- Automatically clean all low viscosity fluids at high output flow rates
- Protect heat exchanger and pipes from clogging and fouling
- Protect pump and heat exchanger plates from damages
- Minimize downtime for maintenance
- Maximize heat exchange rate
- Reduce annual maintenance cost



Marine



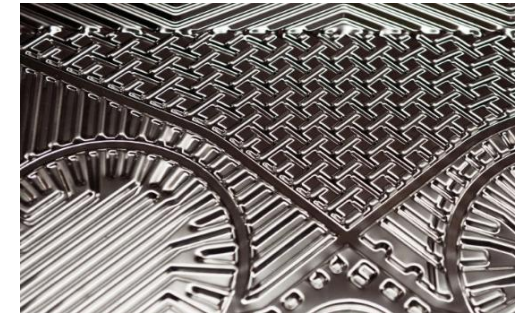
Water Treatment



Power Plant

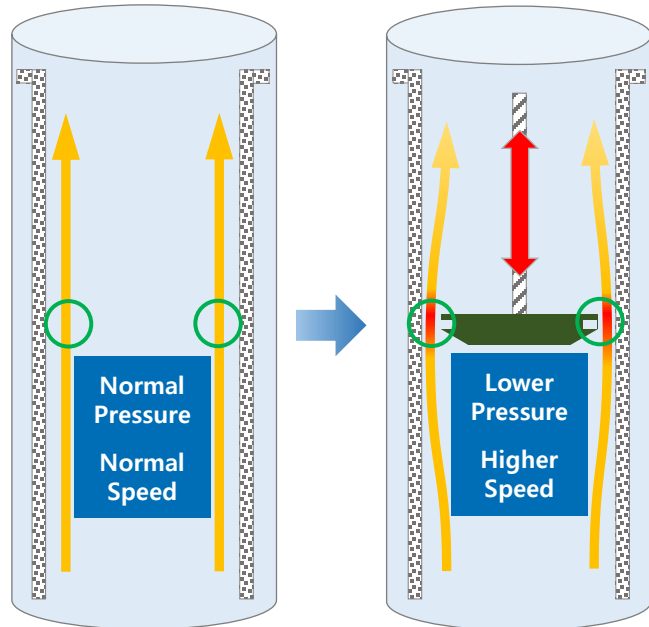


General Industry

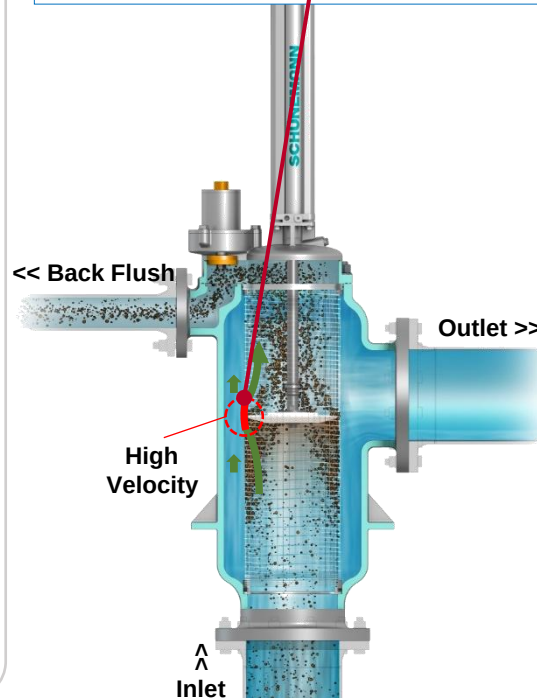
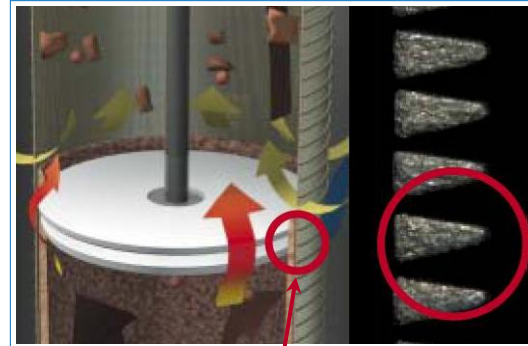


5. Automatic Filter _ How it works

Bernoulli's Principle



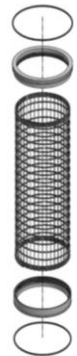
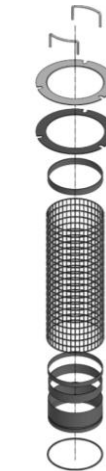
The intelligent use of the Bernoulli principle for the self-cleaning automatic filter enables removal of solids from media without physical contact with the strainer.



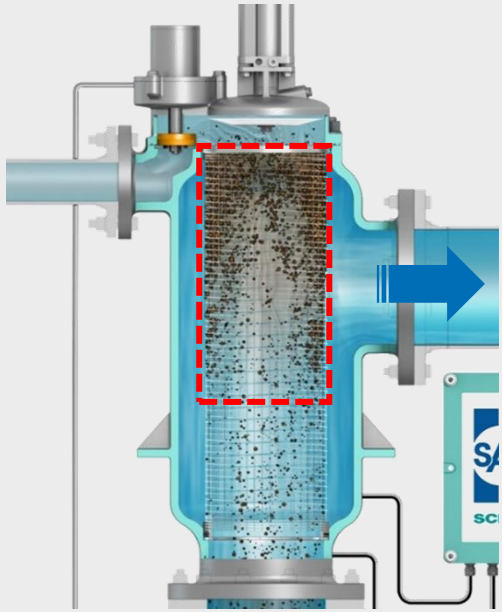
Wedge Wire Strainer

Standard

Helicoidal

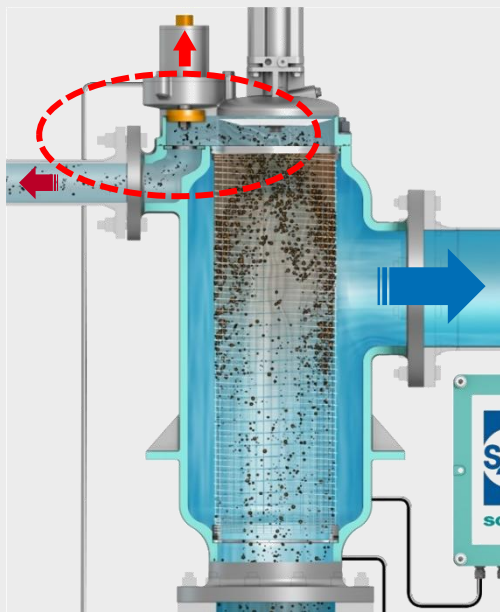


5. Automatic Filter _ Operation



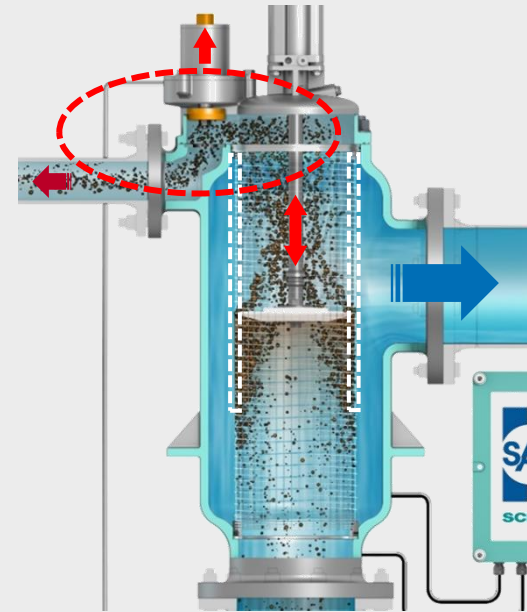
Filtration

> Dirt is accumulated from the upper side of the strainer in the cylinder.



Pre-Flushing

> Flushing valve is open to clean up dirt or particles in the cylinder.
Flushing can be scheduled or automatically operated by differential pressure transmitter.



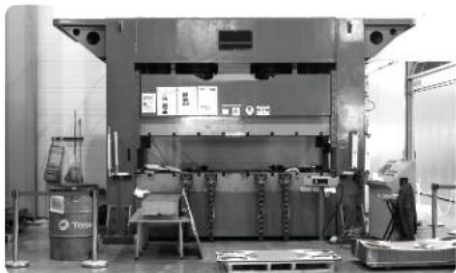
Cleaning Phase

> As disk moves down, gap between the disk and the screen narrowed which speed up flow velocity.
With the process, dirt inside the screen fully washed away.

PRODUCTION & QUALITY CONTROL

Production & Test Facilities

[Hydraulic Press]



[Vacuum Brazing Furnace]



[Plate & Heat Exchanger Test]



Pinhole Test



Fatigue test



Air Pressure Test



Destructive test



Helium Detection

VALUED CUSTOMERS

Valued Customers



theMG