



HAAKON LARSEN AS



GENERAL COMPANY PRESENTATION

Last updated 18.02.18

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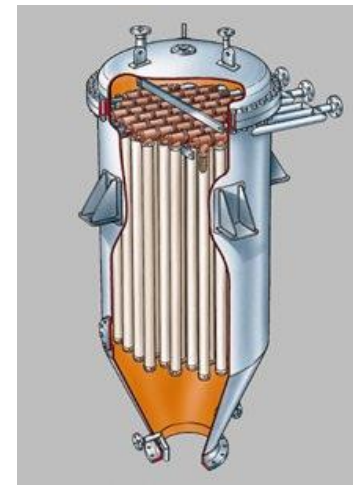
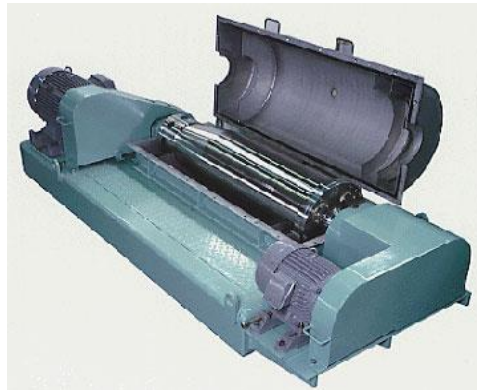
ETAB. 1898

HISTORY

- ◆ Established 1898
- ◆ Experience with solid/liquid separation since 1927
- ◆ Supplier of Decanter Centrifuges
 - ◆ Represented Sharples from 1927 until 1985
 - ◆ Agent for IHI (Japan) since 1986
- ◆ Also supplier of Bag-filters and Vibration Screens
 - ◆ Agent for DrM (Switzerland) since 1985
- ◆ Bought external workshop in 2008 and moved to Fredrikstad.
- ◆ Built own workshop- and administration office, completed 2015.
- ◆ 6 regular employees
- ◆ Turnover 2017: Approx. NOK 21 mill

REPRESENTING

- ◆ IHI Ltd. Japan
- ◆ Dr. Müller AG
- ◆ Veronesi Separatori S.p.a.
- ◆ SWG Vibrodynamics
- ◆ Fluidrive / Voith (hydraulic couplings)



DrM DrM, Dr. Müller AG
Alte Landstrasse 415
CH-8708 Männedorf

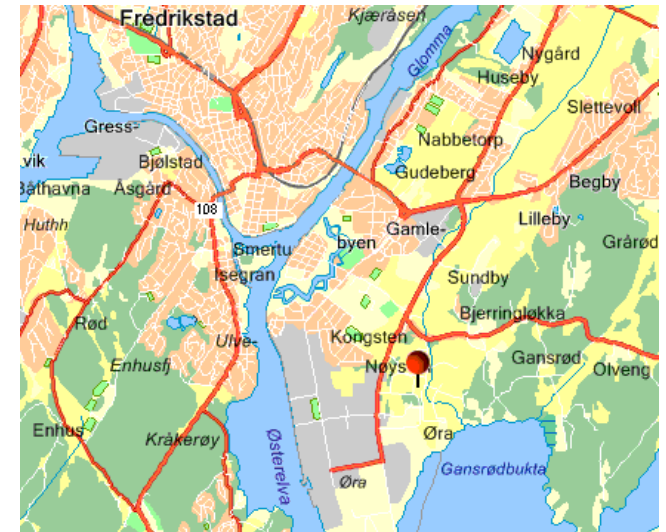
IHI Ishikawahima-Harima Heavy Industries Co., Ltd.
Centrifuges and Filters

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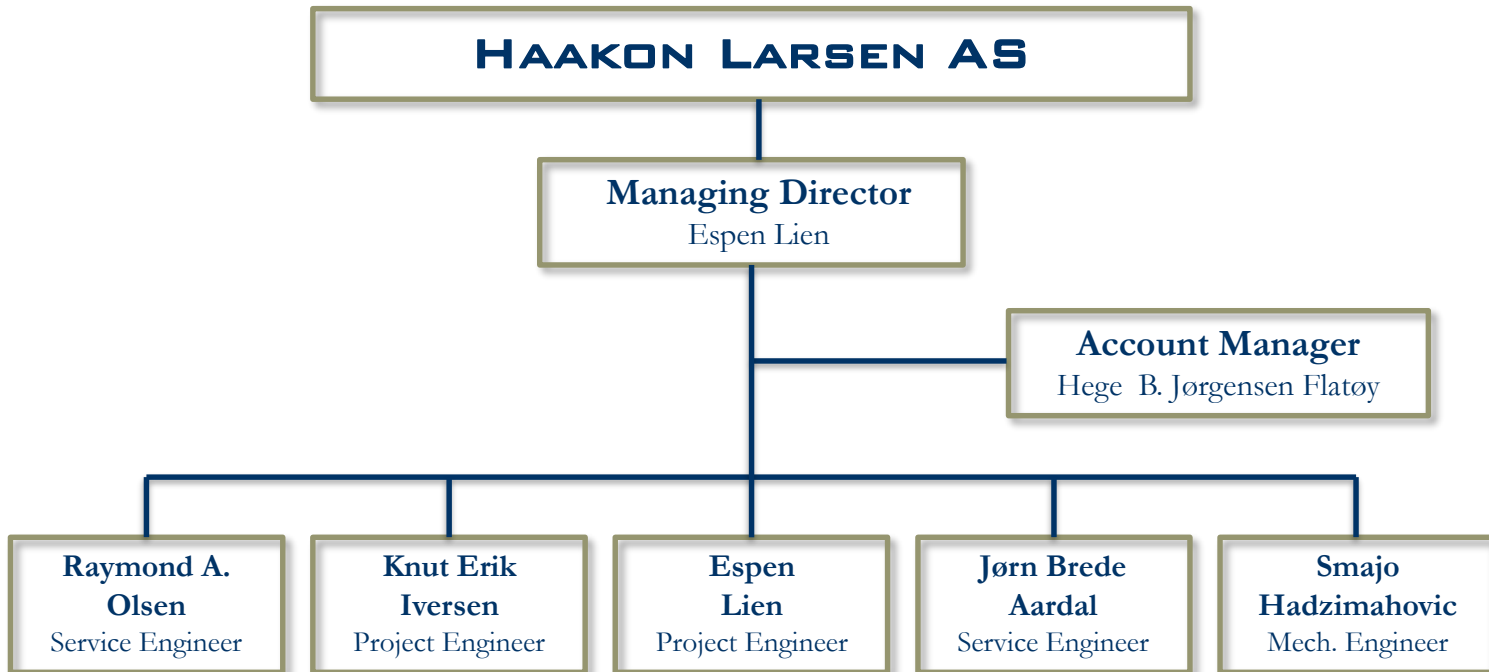
ETAB. 1898

HAAKON LARSEN AS

- ◆ Company moved from Oslo to Fredrikstad in 2003.
- ◆ Fully equipped workshop for service, repairs and overhauls
- ◆ Moved to new premises in Fredrikstad, Norway Jan. 2015.
- ◆ For mer informasjon, se: www.haakonlarsen.com



ORGANISATION



PERSONNEL

Espen Lien

- MSc, Mechanical Engineering, NTNU 1992
- Long time experience from mechanical industry
- Project leader on several offshore installations



Raymond Andre Olsen

- Certified Motorman, Glemmen VGS 2000
- Engine Mechanics, Nye Kystlink AS 2005-7
- Motorman, DFDS Lysline 2007-10
- Service Engineer in HL since 2010



Knut Erik Iversen

- Mechanical Engineer, HIV 1997
- Project Engineer, Maritech Consultants 1998-2000
- Workshop manager / project leader in Brattås AS 2000-2004
- Senior Mechanical Engineer in HL since 2005



Jørn Brede Aardal

- Certified Mekanics, Automation
- Foreman, Rolls Royce Marine. 2001-2007
- Foreman, Fredrikstad Mek. 2007-2010
- Prosect leader, Jotne Mek. 2010-2014
- Service Engineer in HL since 2014



Hege Flatøy

- Accountant in Fredrikstad Regnskapsbyrå from 2007
- Accountant in HL since 2008



Smajo Hadzimahovic

- Certified Mechanics, Ørsta Technical College 2000
- Rolls Royce, Ulsteinvik 1999-2001
- Seut Industrier, 2001-2008
- Service Engineer in HL since 2007



REFERENCES - OFFSHORE

Aker Kværner Process Systems AS

- ◆ Åsgard B (Statoil) – IHI Decanter, 2 pcs. HS-206L-HV
- ◆ Shah Deniz (BP) – IHI Decanter, 2 pcs. HS-366L-HV
- ◆ Ormen Lange (Hydro) – IHI Decanter, 2 pcs. HS-206L-HV
- ◆ BritSat (Conoco Phillips) – IHI Decanter, 2 pcs. HS-256L-HV
- ◆ Reliance Ind. Ltd. (Power Gas) – IHI Decanter, 2 pcs. HS-366L-HV

Aker Solutions AS

- ◆ Pluto (Woodside Energy) – IHI Decanter, 2 pcs. HS-256L-HV
- ◆ Santos Gas II (Modec) – IHI Decanter, 1 pcs. HS-366L-HV
- ◆ Gorgon (Chevron) – IHI Decanter, 4 pcs. HS-256L-HV
- ◆ Barzan (RasGas) – IHI Decanter, 2 pcs. HS-366L-HV
- ◆ Prelude (Shell) – IHI Decanter, 1 pcs. HS-206L-HV

REFERENCES - OFFSHORE

Statoil ASA

- ◆ Statoil Kolsnes – Test Plant for Rich MEG Filtering, DrM Fundabac Filter

Fjords Processing AS

- ◆ Ichtys (Inpex) – IHI Decanter, 2 stk. HS-366L-HV
- ◆ Petronas FLNG (Petronas) – IHI Decanter, 1 stk. HS-256L-HV
- ◆ West Nile Delta (BP) – IHI Decanter, 2 stk. HS-366L-HV

NOV Completion & Production Solutions AS

- ◆ Fadhili Gas Program (Saudi Aramco) - IHI Decanter, 6 stk. HS-256L-HV

REFERENCES - INDUSTRY

Norsk Hydro AS

- ◆ Hydro Polymers, Rafsnes – IHI Decanter HS325L + 2 pcs. (2x256 m²) DrM Fundabac Filters

Yara Norge AS

- ◆ SilMag Pilot Plant – IHI Decanter and DrM Fundabac Filter
- ◆ Yara Porsgrunn – IHI Decanter, 2 pcs. HS556L + 2 pcs. Sharples 5400 + 5 pcs. Sharples 3400 + 2 pcs. Sharples 3000 + 2 pcs. Sharples P600
- ◆ Yara Glomfjord – IHI Decanter, 3 pcs. HS556L & HS255L
- ◆ Yara Italia S.p.a. – IHI Decanter HS255L

Alcoa Automotive Castings SCC

- ◆ Alcoa Farsund – DrM Fundabac Filter, 1 pcs.

Xtrata (Falconbridge Nikkelverk AS)

- ◆ Falconbridge – DrM Fundabac Filter, 12 pcs. (Approx. 1200 m² filter area)

SiC Processing GmbH

- ◆ SiC Renseproduksjon AS, Porsgrunn – DrM Fundabac Filter, 4 pcs.

REFERENCES - INDUSTRY

Brødrene Sunde AS

- ◆ Sharples Decanter, 2 pcs. P3000
- ◆ DrM Fundabac Filter, 1 pcs.

Scanbio ASA

- ◆ Sharples Decanter, various machines size P3000 – P3400

Bø Renseanlegg

- ◆ IHI Decanter, 1 pcs. HS366L

Sørumsand Renseanlegg

- ◆ Sharples Decanter, 1 pcs. P3400

Gardermoen Renseanlegg

- ◆ Hiller GmbH, 3 pcs. KHD CP3044

Overhaul of decanters, Various Water Treatment Plants

- ◆ Gjøvik Rambekk, TAU, Skien Elstrøm, Svelvik Bokerøya, Mjøndalen etc.

WORKSHOP

Equipment

- ◆ Approx. 700 m² + separate area for washing/cleaning
- ◆ 2 pcs. Schenk machines for static / dynamic balancing.
- ◆ Welding Equipment: MIG, TIG, Autogen & Hard Metal Surfacing.
- ◆ Machining: Lathe, milling- and grinding bench.

Services

- ◆ We perform service and overhaul on all type of decanter centrifuger and other rotating equipment (pumps, fans etc.)
- ◆ Service and overhaul of hydraulic couplings
- ◆ Inhouse equipment for trial tests of filter- and decanter processes
- ◆ Service at customer premises
- ◆ Regular maitnenance agreements
- ◆ General counselling of solid / liquid separation



STRATEGY

- ◆ Provide process related assistance for testing of new separation technologies.
- ◆ Expand our service- and maintenance activities
- ◆ Competitive on price and delivery time