

Jan Frick, Odd Terje Høie

COM³ project

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COM³ pilot Rogaland

An evaluation of companies regarding digitalization

The COM³ project intends to build competencies in participating regions to promote regional growth by improving competitiveness of companies. In Rogaland we have two partners in the project, CIAM and UIS Business School, both different parts of the University of Stavanger. UIS Business School is a faculty, and CIAM, Cluster for Industrial Asset Management, is a collaboration network between the university and

companies in the region. The main idea with CIAM is to build competence by collaboration and exchange within the main topics Operations and Maintenance (OM) which includes HR, Risk, Digitalization, and Economy related to OM.

We have conducted a series of meetings, seminars, and had students collecting data and making 142 reports from companies in 2020, 2021 and 2022. A lot of this were delayed compared to original plans during the pandemic. More than 700 students participated in the study.

The rollup on the left was used when we had a stand at the exhibition Offshore Technology Days Energy in October 2021. It states the four main issues that this report investigate: Growth in Rural Areas, Regional Innovation Support, Digital Technologies, and Long Term.

The Appendix list the companies. The digitalization marks are estimates from the student reports and evaluated by the authors of this report. The report does not include the smallest and the largest companies in terms of revenue but have a good regional coverage of the midsize. However, in the list some companies have few employees



The COM³ partners in Norway are:



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even if their revenue is millions of NOK. The main reason for this is their company structure. They have their income in one company and employ people in a daughter company.

The rural or urban is a heading made by the authors. This is a region with > 400 000 inhabitants, and the majority lives in a few locations. These are marked as urban.

Background

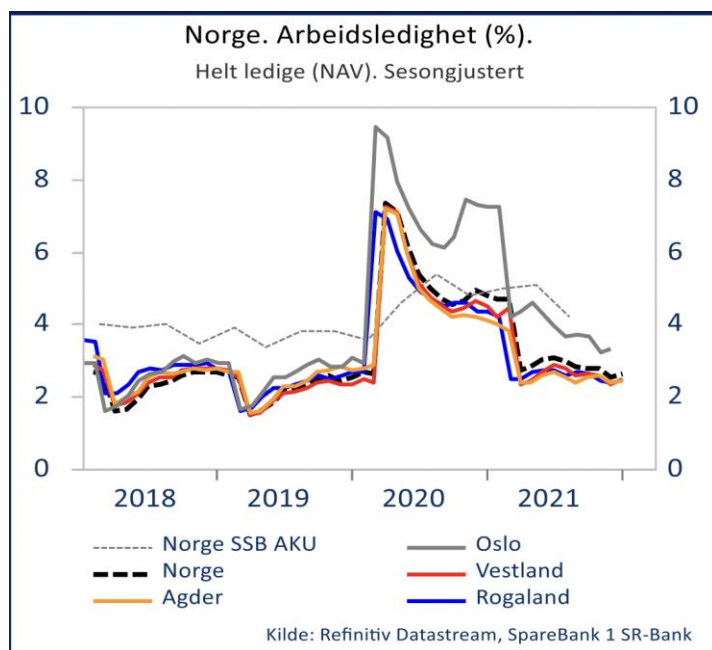


Figure shows unemployment in Norway for the last years. The Rogaland region has had low unemployment for decades due to the demanding petroleum industry. This has created an international workforce in all kinds of companies with both urban and rural location. Exceptions were 2015-16 then petroleum price dropped from 100 \$ per barrel to 20 \$ and 2020 with the pandemic. In both cases the actual reduction was larger than the figures due to many persons leaving for other countries. In 2015-16 several companies reduced number of employees by more than 60%. But the international

workforce has contributed to exchange of knowledge between companies and other countries and one of the consequences is a high degree of digitalization skills. In February 2023 the unemployment in Rogaland County is below 2%, and Norway on average has close to 2%. In Rogaland this is due to high prices and therefore high activity in Oil&Gas related industries.

Key issues:

The 142 company reports tell a story of how the companies are seen from mainly public sources.

- Many companies might need access to larger market to be able to expand means that some companies may be limited in their growth potential due to their current market size or location. To

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continue growing and expanding their business, these companies may need to access larger markets, either nationally or globally.

- There is available regional funding. This suggests that there may be funding opportunities or financial resources available to companies located in a specific region. This funding can help companies access the capital they need to expand and grow their business.
- Most companies are advanced users of digital tools in at least one area regardless of urban or rural location. This implies that many companies are already utilizing digital technology to help grow their business. This can include tools such as social media, e-commerce platforms, and other digital marketing strategies.
- Networking/ combination of knowledge from companies might open more growth even if the Rogaland region has a history of networking between companies. This suggests that collaborating and sharing knowledge between companies can help promote growth and development, even in regions where networking is already common.
- Location clusters of companies both in urban and rural areas promote growth. This means that when companies in the same industry or related industries are located close to each other, they can benefit from shared resources, such as infrastructure, talent, and knowledge, leading to growth opportunities for all.
- Dominating industries are petroleum with related engineering, and agriculture/food. This identifies the key industries in the region and both are very dependant on international markets and conjunctures.
- Average Revenue of the companies increased from 2018 to 2020, but had a step drop in 2021. This is assumed to be directly related to the Covid impact that started in March 2020. Feed back from companies indicate that 2022 revenue has recovered for many companies, and 2022 is expected to be on level with 2019. This indicates that the region's companies experienced revenue growth in recent years but faced a setback in 2021. This information can help businesses understand the current economic conditions and plan accordingly.
- In January 2022 the region regained a situation that has not happened since the petroleum price dropped in 2015: the number of vacant positions in the region is higher than the number of unemployed. A problem in this is that many of the vacant positions ask for digital skills and experience in digital tools as AI and machine learning which most of the unemployed do not have.

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Digitalization:

Looking at the 142 companies as a group we see that all companies utilize digital tools in marketing and have ERP systems even if the variation in how they use it in marketing or administration is huge. This suggests that most companies, regardless of their size or industry, are using some form of digital technology in their marketing efforts and have implemented ERP (Enterprise Resource Planning) systems to manage their business operations.

Digital tools such as social media, email marketing, search engine optimization, and online advertising are increasingly popular marketing channels used by companies to reach their target audience. These tools can help companies increase brand awareness, generate leads, and ultimately drive sales.

ERP systems are software platforms that help businesses manage their day-to-day operations, including financials, supply chain management, inventory control, customer relationship management, and more. ERP systems provide companies with a centralized view of their business data, allowing them to make more informed decisions and streamline their operations.

While the extent to which companies use these digital tools and ERP systems can vary greatly, the statement implies that most companies have at least implemented these technologies in some form. Some companies may be more advanced in their usage and integration of these tools, while others may only be using basic features or functions.

In summary, the statement suggests that digital marketing tools and ERP systems are becoming ubiquitous in today's business landscape, and companies that fail to implement these technologies may be at a competitive disadvantage.

The data provided suggests that a majority of the companies (at least 50%) surveyed are utilizing some form of digital technology in their business operations. Here is a breakdown of the data:

- 75 out of 142 companies use digital tools in products: This suggests that around 53% of the surveyed companies are incorporating digital technology into their products. This could mean incorporating digital features or functions into their physical products or creating entirely digital products such as software or apps.
- 113 out of 142 companies use digital process technologies: This indicates that around 80% of the companies surveyed are using digital tools to streamline their internal processes. Digital process

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technologies could include ERP systems, project management software, or other tools that help automate and optimize business processes.

- 71 out of 142 companies use digital tools in supply chain: This suggests that around 50% of the companies surveyed are using digital technology to improve their supply chain management. This could mean using software to track inventory levels or shipments or implementing digital tools to improve communication and collaboration with suppliers.
- 41 out of 142 companies use digital tools in distribution: This indicates that around 29% of the companies surveyed are using digital technology to improve their distribution processes. This could mean using software to manage orders and shipments or implementing digital tools to improve delivery times and customer satisfaction.

Overall, the data suggests that a significant portion of the surveyed companies are embracing digital technology in their business operations. Companies that are not utilizing these technologies may be at a competitive disadvantage, particularly as digital tools become more integral to modern business practices.

When we try to analyse for type of companies, we see that the data suggests that companies in the food and service industry have a relatively low level of digitalization in terms of their products, but a high level of digitalization in terms of their processes.

Low digitalization on products is not surprising in the food and service industry, as the products in this industry are often physical, tangible items such as food, beverages, or hospitality services. It can be challenging to incorporate digital technology into these types of products, and doing so may not always be necessary or appropriate.

However, the high level of digitalization on processes in the food industry is notable. Digital tools can be used to track inventory, optimize supply chain management, and improve communication with suppliers and customers. These tools can help food companies reduce waste, improve efficiency, and enhance the overall customer experience.

The high level of digitalization in processes could also indicate that food companies are embracing new technologies and finding innovative ways to use them in their business operations. This could give them a

competitive advantage in the market, as they are able to operate more efficiently and effectively than companies that have not yet adopted digital tools.

In summary, the data suggests that while the food and service industry may have lower levels of digitalization on their products, they are still leveraging digital technology to improve their internal processes and operations. This indicates a willingness to embrace new technologies and a recognition of the potential benefits they can bring to the industry.

What may be more surprising is that the data suggests that there is no significant difference in digitalization between rural and urban areas in the region. This could be due to several reasons.

Firstly, many companies in both urban and rural areas have been involved in the petroleum industry for decades. This industry has been at the forefront of technological advancements, particularly in the areas of data analytics and automation. As a result, companies in the region may have developed a high level of expertise and knowledge in digital technology regardless of their location.

Secondly, the availability of regional funding and support for digitalization initiatives may have helped to level the playing field between rural and urban companies. This funding may have allowed rural companies to access digital tools and resources that were previously only available to urban companies.

Finally, the history of networking and collaboration between companies in the region may have also contributed to a high level of digitalization across the board. The sharing of knowledge and resources between companies in different locations and industries could have helped to accelerate the adoption and implementation of digital technology.

Overall, the data suggests that rural companies in the region are not significantly disadvantaged in terms of digitalization compared to their urban counterparts. This may be due to the unique context of the petroleum industry in the region, as well as the availability of funding and support for digital initiatives and the history of collaboration and networking between companies.

References

Company Name	Group	Analysis Year	Authors of Source report
Blueday Technology AS	1	2020	Duranovic, Dino; Karlsen, Fredrik; Strømme, Håkon; Tønnesen, Mikal; Ivesdal, Sylfest Brændholen
Laerdal Medical AS	2	2020	Larsen, Emeline Arnøy; Canedo Mesquita, Francisco; Chasip, Isildin Nahi; Møllerup, Johannes; Nordeng, Oscar Wikstrøm
Block Berge Bygg AS	3	2020	Lønseth, Eirik; Kvilhaugsvik, Evelyn; Husebø, Mathias Vatland; Berge, Nora; Njaa, Therese
Aarsland Møbelfabrikk AS	4	2020	Klyve, Eirun; Hassan, Isak Misfjord; Asbjørnsen, Marcus; Meephan, Supatcha; Lønseth, Trude;
Norsk Dyremat AS	5	2020	Øvensen, Edvard Aamot; Gjerdsbakk, Mariann Edland; Undem, Mona; Rovik, Thomas Andersen; Håheim, Trine Øglænd;
RobotNorge AS	6	2020	Kvæstad, Borghild; Lola, Eddy Ntumulo; Neresen, Joakim; Godøy, Sofie Våge; Skailand, Viktoria;
Øglænd System AS	7	2020	Idsal, Emil Nilsen; Voll, Nina; Karlsen, Oda Sundseth; Fjelltvedt, René; Leirvik, Runar Sele;
Aarbakke AS	8	2020	Gursli, Dyveke; Eriksen, Emil Sørhaug; Lyngstad, Kristin Oline; Hasanova, Narmina; Faa, Thomas;
Rosenberg Worleyparsons AS	9	2020	Kossakowska, Aleksandra Maria; Gard, Anders; Kiledal, Kjersti; Rannestad, Lise Nilsen; Wanvik, Trym Enge;
Akva Group ASA	10	2020	Harbo, Celine; Fjulsrud, Emil; Svensen, Fredrik; Rivas Petit, Johana Carolina; Steinnes, Patrick Egeland;
Westcon Power and Automation AS	11	2020	Kloster, Aud Sofia; Oberholzer, Isabella Hanne; Tomes, Isak Haukland; Bergum, Ole Marius Sørheim; Lorentzen, Sara Louise;
Westcontrol AS	12	2020	Hanasand, Elina; Voss, Håvard Nesvik; Haugland, Susanne; Heia, Tinus Holme; Iversen, Vetle Ågedal;
Bartec Technor AS	13	2020	Taiwong, Atcharaphon; Dirdal, Håkon Esfandiari; Føyen, Johannes Isdahl; Aartun, Stian; Medhanie, Tekeste Kokobe;
High Speed Machining AS	14	2020	Lundekvam, Anita; Stoica, Ionica-Madalina; Våge, Mathilde; Nedrebø, Roar; Terjesen, Tobias Nikolai;
Skretting AS	15	2020	Vea, Estella Marie; Kvam, Jonas; Øiestad, Lissi; Ovedal, Tonette; Livastøl, Trym Zachary
Fatland Ølen AS	16	2020	Stautland, Andreas Hinderaker; Apeland, Katrine; Bø, Lisa Haga; Hinna, Madelen; Witkowska, Malgorzata;
Lerøy Vest AS	17	2020	Underthun, Christopher Sagedahl; Nygård, Eskil Sætre; Håvik, Hedda Geitung; Prante, Ingrid Berg; Dahl, Maria Halsne;
Norcem AS	18	2020	Olsen, Eirik; Bjerkreim, Hanna Sundal, Vik, Sander Landa; Thorsen, Sebastian; Hornenes, Vegard;
Vår Energi	19	2020	Grigoras, Andreea; Tekle, Henok Debesay; Urbonaite, Mariam Anna; Håland, Silje Bore; Hongseth, Synne;
Den Stolte Hane AS	20	2020	Kolnes, Amalie Reed; Kvål, Brit-Helen; Langeland, Cecilie; Øidvin, Ivar; Valvik, Markus Lund;
Fiskå Mølle AS	21	2020	Tveita, Astrid; Tjelta, John Andreas; Jacobsen, Jørgen Soppeland; Veland, Karsten Langvik; Paulsen, Ole Petter;
Oceaneering AS	22	2020	Issa, Ahmed Ibrahim Mahmod; Sami, Amanda; Celebi, Firat; Bjørheim, Marius; Spørkel, Samuel Jøssang;
NorDan AS	23	2020	Nordbø, Adrian; Gudmundsdottir, Aldis Eva; Harestad, Endre; Runaninova, Lea; Hammersland, Ole Kristian Bøe;
Grieg Seafood Rogaland AS	24	2020	Lukosius, Aurimas; Fjortoft, Elias Johannes Latta; Olsen, Mathias Førde; Jakobsen, Nicolas Adrian; Otto, Ådne;
Autronica Fire and Security AS	25	2020	Heier, Anders; Hafnor, Ine Nilsen; Nilsen, Mathias; Gabrielsen, Olivia Maja; Haugom, Sophie Ewuraba Ablode,
Kverneland Group Klepp	26	2020	Lie, Andrine Sodeland; Kopacz, Eszter; Rasmussen, Ida; Salhus, Tyra Christine;

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Jæder Ådne Espeland AS	27	2020	Iversflaten, Eirik Høgevoll; Heng, Karoline; Stene, Martine Emilie; Thomsen, Vilde Madelen;
Mento AS	28	2020	Johansen, Caroline; Ginkaite, Gintare; Onsager, Mathias; Czerwinski, Michal Marek; Skogly, Selma;
Malthus Uniteam AS	29	2020	Kvassheim, Kennet; Janjusic, Nina; Mohamed, Sarah Abozer Elmana; Omdal, Siri; Samoedny, Wiktor Bartosz;
Roxar Flow Measurement AS	30	2020	Løddesøl, Andreas; Birkenes, Christoffer Helleland; Kireva, Eliana; Aakre, Marcus; Nådland, Rebecca Johnsen;
Hiitec Products AS	31	2020	Lund, Emma; Brevik, Lina; Bakke, Maiken Konstanse; Nilsen, Maja; Lea, Silje Denise Rozon;
Hatteland Technology AS	32	2020	Rozon; Anita Lynn, Rostrup; Asbjørn, Jensen; Christoffer Rune, Hellesund; Filip Tomic, Anholt; Joanne,
Gilje Tre AS	33	2020	Eide, Herman Krosliid; Jeyarajah, Janusan; Knutsen, Kristiane Hoel; Torgersen, Mathias; Le, Minh Triet;
Comrod AS	34	2020	Urdal, Hannah; Dahl, Ine Lothe; Adzemovic, Jasmina; Lande, Linda Marianne, Sørvald; Vetle;
Covent AS	35	2020	Alyokhina, Darja; Gundersen, Erik Tangen; Øglænd, Jon Thore; Njærheim, Lars; Tvedt, Vilde Margrethe;
Sandnesgarn AS	36	2020	Dale, Elias Rashidzadeh; Ånestad, Henriette; Larsen-Sneve, Nora; Guttormsen, Sarah Oline; Skjæveland, Tim;
R. Stahl Tranberg AS	37	2020	Garpestad, Erling Svangtun; Aarrestad, Håvard; Stråbø, Martin; Hovda, Martin Møller; Roxman, Mira;
Stavanger Steel AS (not existing 2022)	38	2020	Björgvik, Johan Hjelmsvold; Ryland, Kristine; Johannessen, Natalie; Friestad, Tore; Gundegjerde, Vegard;
TKS Heis AS	39	2020	Bringeland, Kine Ryland; Andersone, Maira; Mellemstrand, Ole Mikkil; Olsen, Rune Birger; Moe, Åshild Marie Hetland;
Stinger Technology AS	40	2020	Hodnefjell, Johan; Tveter, Kasper; Brown, Lukas Tangen; Småvik, Mathias; Givehchi, Venus;
IKM-Testing AS	41	2020	Pollestad, Alise; Nguyen, Celina; Auning, Martin; Kvinnesland, Mikkil; Kommedal, Torger;
Papirfly AS	42	2020	Høksnes, Amund Skau; Hanasand, Andreas Dalset; Opsanger, Mathias Velken; Lundmann, Thomas, Møland, Thomas,
Data Design System ASA	43	2020	Haugan, Eirik Bjørge; Alici, Ibrahim; Bøe, Martin Fuglestad; Azizollah, Meelad; Brecke, Scott;
Berentsens Brygghus AS	44	2020	Thevananth, Gayathri; Goa, Helene; Birkeland, Kristoffer; Rosnes, Rune Høyvik;
Hydro Karmøy Metallverk	50	2020	Pollack, Tom Even; Bjørheim, Anders; Gjengedal, Benjamin; Darian, Neco; Fardal, Thomas Alexander; Aabrek, Torbjørn;
Fjordkjøkken AS	52	2020	Derksen, Alla; Farstad, Ane By; Gorqaj, Ardian; Andresen, Filippa Bjerve; Bjørlo, John;
Multiblokk AS	54	2020	Asfaha, Biniam Berhane; Bratseth, Nora Opøyen; Feldmann, Pernille Larsen; Grewal, Preet Singh; Dureja, Sidharth Kumar;
Kjosavik AS (Norengro)	56	2020	Ekroll, Cathrine Carr; Austegard, Helena; Hagen, Jonas; Flaate, Linn Iren; Bratteli, Thomas Nicolai;
Alu Rehab AS	1	2021	Risanger, Elina; Skaugen, Matias; Hanssen, Mattias Kro; Le, Kieu Ahn;
Cegal AS	6	2021	Bore, Rasmus; Espeland, Lene; Moberg, Mattis Kidess; Muresan Bianca-Marina;
Depro AS	9	2021	Fredriksen, Fredrik; Handal, Bjørnar; Mekhrabi, Valid; Seljeskog, Kristian;
Egersund Trål AS	10	2021	Høiland, Torbjørn; Løvli, Jørgen; Nilsen, Alexander Moi; Rasmussen, Charlotte; Sveberg, Silje Dahl;
Gilje Tre AS	14	2021	Løvendahl, Erlend; Alkhazova, Zalina; Rud-Abelseth, Emma; Birkelid, Rasmus Lindhardt; Jakobsen, Olav Johannes Skaug;
GMC Maritime AS	15	2021	Skretting, Mathilde Hlegevold; Maneerat, Nopnaphatchorn; Jensen, Henrik Bjørge; Sandven, Karianne; Oserberg, Anita;
Grunn-Service AS	18	2021	Heggdal, Carsten; Karlsen, Helen Abelseth; Austgarden, Iselin Espenes; Hassan, Junaid; Madland, Vanessa Viste
Hytorg Norge AS	22	2021	Tislevoll, Magnus; Galaasen, Julie Helen; Espeland, Lina Sasina; Magnussen, Maja; Høge, Henrik Ramstad;
Hå Rugeri AS	23	2021	Åsebø, Sondre Buer; Bærheim, William; Acers, Christian; Rølsåsen, Trygg; Harwin, Tommy;

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Kanelsnurren AS	27	2021	Skutlberg, Vegard; Bang-Olsen, Lasse; Evensen, Ivar; Haugen, Mattias; Riveland, Paul;
Kystdesign AS	31	2021	Skjæveland, Roem; Thengs, Tobias; Gjeraldsteit, Eirik; Tausova, Rayana;
Lauvsnes Gartneri AS	33	2021	Hawwa, Aslan Mohamad; Schultz, Benjamin Fjeller; Hamad, Nour Eddin; Aaness, Ine Heen; Alkan, Fatma
Miljøgartneriet AS	35	2021	Granli, John; Bjørheim, Marius; Hundsnes, Øyvind; Hegg, Gunnar Holst; Abubaker, Ayman Esam;
Prosjekt AS	51	2021	Jæger, Hans Lian; Bø, Lisa Haga; Bøe, Marcus; Ingebretsen, Thomas;
Scandinavian Fittings and Flenges AS	54	2021	Hofslundsengen, Maren; Goral, Daria; Hajo, Dilan; Hamdard, Nazila;
Gilje Tre AS	57	2021	Richter, Elise; Sæter, Mary Daniese Adlofo; Småvik, Benedikte; Veraland, Lene Årebråt; Kleven, Maryell Owe;
Sola Betong AS	58	2021	Bjørnstad, Brede; Lund, Emma; Undeland, Harald;
Pelagia AS	59	2021	Albertsen, Heidi; Almedal, Elise; Tekle, Dawit; Vormestrand, Lene;
UniSea AS	63	2021	Haile, Hiruy Zebene; Holen, Marius; Leksbø, Mathias; Innvær, Simen; Rønnestad, Thea;
Westport AS	68	2021	Haji, Amira; Sævareid, Brita Ljusnes; Langeland, Jens Højsgaard; Vik, Kamilla Bøthun; Rogne, Nils Henrik;
Jærentreprenør AS	26	2021	Holgersen, Alexander; Mælquist, Andreas Lunde; Kallelid, Astrid Jåstad; Gundersen, Bjørnar; Bore, Oscar Jansen Voster;
Nordbø Maskin AS	37	2021	Mezones, Angela; Nedrebø, Magnus; Håland, Martin; Moe, Martine Isdahl;
DeepOcean AS	7	2021	Eid, Vilde Hatterud; Lam, Alina Ha; Nerseth, Thea Josefine; Pedersen, Karina; Risnes, Truls Skailand;
Nordic Steel AS	38	2021	Helle, Adrian; Krohn, Carl-Fredrik Lervik; Ericson, Kari Irene Helgeland; Mikkelsen, Sigbjørn Oliver Halvorsen; Suthaharan, Sruthiga;
Titania AS	62	2021	Førde, Anna Mathilde; Handeland, Elias; Fjelde, Vetle N.;
Bryne Kro og Hotell AS	5	2021	Hagemann, Joacob; tokstad, Kristian; Eilertsen, Kristina; Eidesen, Sondre; Ranes, Ida;
Blue Logic AS	3	2021	Hoelstad, Marte Bjølsen; Ellertsen, Thale Kivijervi; Jåvik, Anna; Tunheim, Sara; Frogndahl, Anders;
AS Ryfylke Trelast	2	2021	Fredriksen, Herman Ween; Alsaleh, Erhab Husny Mahmood; Johnansen, Iselin Berg; Scotland, Oscar Lona; Stunes, Sander;
Reach Subsea AS	52	2021	Egge, Malin; Efteland, Victoria; Edvardsen, Vidar; Enebakk, Victoria; Mosdal, Vilde;
Fonn Egersund AS	11	2021	Daniel, Lia; Huse, Thea; Bråten, Marit; Fosså, Kjartan;
Sg Safety AS (Vestteknikk AS)	65	2021	Jensen, Alf Egil; Karlsen, Mats; Jensen, Tina Marie; Kjærvoll, Philip
Foss Fabrikker AS	13	2021	Olsen, Hanne Vigre; Ringsell, Karl-Erik; Kaya, Ömer, Smith, Emma;
Masiv bygg AS	34	2021	Austli, Tord; Rødland, Line; Ravndal, André; Vida, Alexandra; Langbakk-Rusu, Andrei;
Henriksen Oljetransport AS	19	2021	Andersen, Magnus Vestre; Gasamali, Jean Claude Matafali; Gjeruldsen, Jon Magnus Andreas Flåt; Stai, Lars Christian Myhre; Tassamma, Fatima Hodo Hassan;
Holmens AS	21	2021	Christensen, Leon Mikal Stangeland; Fløysvik, Kristian Normann; Frostestad, Jakob; Harveland, Maren Risa; Leithe, Elin Sofie Skullerud;
Westco Miljø AS	67	2021	Mæland, Marte Tønning; Eide, Jonas Brakedal; Lindal, Dennis; Kolnes, Nora; Otto, Ådne;
Haaland Tynnplate AS	25	2021	Alajev, Abdul Shahid; Pergum-Haram, Jack Magnus; Sandsmark, Julie; Egeland, Sebastian; Måkestad, Tor-Olav;
Klepp Mek AS	29	2021	Dunsby, Jakob Maslø; Fugelli, Joakim Guldberg; Krasauskaite, Klaudija; Kristiansen, Caroline Risheim; Russom, Nahom Mesgena;
Nortemp Transport AS	39	2021	Al-Asbahi, Sarah Abdullah Mohammed; Buinovskis, Bogdans; Gulbrandsen, Imre Elias Olafsen; Hussein, Emal; Sami, Amanda;

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Norwegian Offshore Rental AS	40	2021	Bekken, Ine Husebø; Kristensen, Vilde Sele; Osmundsen, Heidi; Vabø, Hannah; Sæterdal, Håvard;
KVS Technologies	30	2021	Seim, Andrea; Tveter, Sander; Faber, Julia Myrvang; Barka, Knut; Ask, Anders Fuglerud;
Sirdal Skisenter (Tjørhomfjellet AS)	55	2021	Jasinska, Natalia Anna; Johnsen, Ørjan; Klefsås, Petter Kaspersen; Larsen, Leiv Kåre; Øgreid, Kari Knutson;
Vestkorn Milling AS	64	2021	Isaksen, Guro Bakke; Holmlund, Helene; Holm, Torjus; Isak, Leyla; Ivesdal, Sylfest;
Tema Norge AS	61	2021	Bugge, Mina Lindset; Basic, Sara; Espedal, Kasper Skjæveland; Cejvanovic, Dino;
Ålgård's Auto AS	71	2021	Vetthus, Kai-Robert Svanes; Tesfazgi, Daniel Teages; Ueland, Bertine; Trettenes, Ask;
Saga Subsea AS	53	2021	Ali, Munira Feysal; Finsand, Kim Nicholas; Frøystein, Henning; Gjerde, Emelie;
Østraadt Rør AS	69	2021	Skarholt, Mathias; Stiansen, Peder; Skjæveland, Karen Ladsten; Skjæveland, Hanne Bru;
Aquateknikk AS, Varhaug	1	2022	Adam Vilner Jakobsen; Nikolai Kolnes; Malin Skulstad Størksen; Jarand Veland; Christina Kittiyaphon Duangwae Øye;
Blue Planet AS	2	2022	Yasemin Aytac; Benjamin Helbak Lunde; Tommas Vatsvåg;
Bertelsen & Garpestad AS	3	2022	Elin Helene Dymbe; Daria Mydlo; Alise Solbjørg; Mona Tunheim;
Virix AS	4	2022	Karoline Gjerde; Stian Helle; Malin Ommundsen Hess; Sofie Elizabeth Lucas; Maria Gabriela Fjellanger Vardøy;
Dalane energi as	5	2022	Andreas German Gjesdal; Emilie Kolnes Hagen; Cecilia Strøm Helberg; Valid Kurdali; Marthine Furuhaug Øvreås;
AMV AS, Flekkefjord	6	2022	Rahwa Tesfay Afewerki; Natalie Helgeland; Mads Jacobsen Mørland; Oliver Maicel Engen Sneitz; Melina Liknes Søndeland;
Fjord Line AS	7	2022	Jon Elias Flatekvål; Tonje Kalleli; Milad Rahimi; Thea Silgjerd Sandvik; Malin Iren Sund;
Parat Halvorsen AS, Flekkefjord	8	2022	Sander Jakobsen Bjørnsen; Maren Flåte; Ann Kristin Whist Haarr; Marius Tidemann Pedersen; Adrian Soltveit;
Solstad Offshore AS	9	2022	Marit Astrup Ananiassen; Cathrine Einarsen; Anna Maria Myhre; Sondre Svanes Strand; Mari Wilberg;
Det Stavangerske Dampskibsselskab AS	10	2022	Julie Bø; Håvard Steen Hansen; William Singh Sami; Beate Sele; Andrea Selle;
Grunn service AS	11	2022	Frida Harestad; Hege Løvving Larsen; Stian Naustvik; Vette Oftedal; Eivind Erikstad Pedersen; Sandra Løvbrekke Fiskå; Martin Teigland Haaland; Elise Hundhammer; Olav Sæbøe Iversen;
Lie blikk AS	12	2022	Elin Nærland;
Skretting aquaculture research centre as	13	2022	Johan Sundt Brekne; Rikke Alvilde Ditlefsen; Erik Skaar Håland; Helene Bøe Lauvvik; Johan Magnussen;
Skjævelandgruppen as	14	2022	Vegard Høiland; Helena Jøssang; Ingrid Log; Rasul Alkhazurovitsj Rasukhanov; John Kristian Skogerbø;
Tytlandsvik Aqua AS	15	2022	Markus Alfredsen Hess; Emil Wilhelm Jacobsen; Fanny Henrikke Kverneland; Jon Melby; Jonatan Skogestad;
Naturbakst AS	16	2022	Joakim Akerjordet Bjørlykhaug; Vanessa Marie Timbal Bongcawel; Kristine Gilje; Silje Skjørestad Madsen; Vette Undheim;
Rogaland Fjordbruk AS	17	2022	Sindre Fidje Andersen; Ragnhild Winther Bremnes; Nicolas Aanonli Hansen; Jørgen Kvía; Odin Kornelius Ulvan;
Boly Bygg AS	18	2022	Helene Holm Bø; Herman Hafredal; Oliver Severin Ingebrigtsen Nordly; Gabriele Pilipaviciute; Asbjørn Valskår;
Subsea 7 AS	19	2022	Karolin Salvador Forfang; William Hidle; Emil Pedersen Matre; Anisia Popescu; Celina Svensen;
Simon Møkster Shipping AS	20	2022	Natalie Andersen; Noor Chamaa; Nathalie Harbo Martinsen; Martin Lima Rugland; Bih Julienne Hoel Tche;
Tidewater Marine AS	21	2022	Soad Ismail Alhamoud Alshadid; Elias Hordvik; Marte Bøe Johnsen; Magnus Juhl Olsen;
Ørland transport AS	22	2022	Ellen Margrethe Bærheim; Viktor Budal Ellingsen; Montgomery Jacobsen; Thi Le Tran; Erik Vogel;
Altera Norway marine as	23	2022	Arthur Stene Bjelland; Julie Haaland; Jahn Benedikt Nitschke; Ben Magnus Samuelsen; Rune Tjelta;

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Dwellop AS	24	2022	Noah Lyngra Andresen; Anders Årvoll Hansen; Bonheur Hansen-Karuhije; Emma Linnea Jönsson; Axel Kjosen;
Knm Hydraulikk AS	25	2022	Hassan Fayed Aldeek; Karoline Hummervoll; Julian Jonsson Kragesteen; Mathias Nergård Småvik; Andreas Stavenes;
Sverdrup Steel AS	26	2022	Eivind Håland Borsheim; Zhenwei Chen; David Cesar Lopez Dela Cruz; Thomas William Berglund Nicolaisen; Lars Kevin Tjølsten;
Altera Infrastructure AS	28	2022	Helene Johannesen; Sindre Lystad Kristiansen; Marcus Ramsnes; Ragesh Thilageswaran; Alv Martin Ur;
Vestkorn AS	29	2022	Ivan Clausen; Marius Gåsland; Emre Talay; Mia Maria Øvrebø Thinesen; Thomas Vier;
Sviland transport AS	30	2022	Emir Basnak; Marinius Eliassen; Aleksander Lie; Marthe Halsten Magnen; Eirik Nærland;
Horisont energi AS	31	2022	Anja Gonzalez Blehr; Theodor Høksaas Gabrielsen; Mathias Fosslund Johansen; Sander Haugen Lindseth; Marcus Stori;
AM Nutrition AS	32	2022	Waad Mohamed Alshawi; Mia Fjeldheim; Sebastian Høksaas Gabrielsen; Jan Martin Salvesen; Joseph Tlu Mang;
Rennesøy trafikk AS	33	2022	Mons Allan Campbell; Matz Dørmænen Hagtvedt; Ishi Mae Borromeo Jensen; Ørjan Westre;
Expro Norway AS	34	2022	Tharald Djupevåg; Ove Grude; Stine Aaberg Risnes; Håkon Øverdal Solvang; Martin-Johan Kristiansen Stensland;
Solvang ASA	35	2022	Thea Sørensen Bjerga; Juste Bliuvaite; Olivia Josefine Støylen Bådholm; Petter Øfsteng;
Dolphin Drilling AS	36	2022	Vetle Johannessen Apneseth; Hege Helland; Ingrid Hilde Horvei; Vetle Talleraas; Torjus Waage;
Håkull AS	37	2022	Sigurd Olav Borgstrøm; Bruna De Alencar Amaral Eliid; Sofie Riise Kjelstrup; Ella Krumsvik; Espen Skadberg Olsen;
TD Williamson Norway AS	38	2022	Olav Aasland; Maria Haugsengen; Marius Hestholm; Pia Tysdal Pedersen; Mathias Foss Sveen;
Ross Offshore AS	39	2022	Marte Stangeland Grasdøl; Sondre Hetland; Ole Georg Høines; Julie Nistad Samsonsen; Lasse Sletten;
Brøderene Håland AS	40	2022	Theodor Erslund Byrkjedal; Rikke Steen Enstad; Kristine Øgård Flood; Emma Jonassen; Leo Naper Lindberget;
Norwegian Lobster Farm AS	41	2022	Cristina Fænn Abrante; Mia Kristine Fjelland; Atle Tangerud Jansen; Rokas Kripaitis; Vasile-Cristian Lapustea-Malaescu;
Rensefiskgruppen AS	42	2022	Lars-Christian Blaich; Ole Olsen Bru; Nouma Darbas; Taher Qassem; Sui Tha Thluang Hnin;
Skjæveland Gruppen AS	43	2022	Daniela Brenes Alvarez; Henry Liu; Troy Magne Sem; Hannah Bergskås Vatland; Ekaterina Zernova;
Norsk Stein AS	44	2022	Khalid Mustafa Awale; Birgit Eide; Celina Frigstad; Jonas Habbestad Gjerde; Lise Egeli Sandnes;
ASCO Norge AS	45	2022	Thomas Bolme; Wilhelm Kalberg; Matiurrahman Rahmani; Syeda Khadija Zehra Rizvi; Kasper Tveter;
Innova AS	46	2022	Simen Berntzen Arholm; Anders Fuglerud Ask; Shah Reza Jafar Ali; Amalie Midbøe; Mari Garmo Nilsson;
J Johnsen & Sønner AS	49	2022	Abdihakim Mohamed Abdi; Pernille Larsen Feldmann; Jiewen Liang; Ole Mikkel Mellemstrand; George Dragos Radu;
Sandnes Pro-Service AS	50	2022	Thomas Hermansen; Maria Westergaard Karlsen; Erika Krajnak; Kristina Noidat; Line Thorsen;
Håland Kjøtt AS (Erling Braut)	53	2022	Thobias Fuglesten Beyer; Christina Finstad; Marius Jelsa; Eskil Sunde Kaada; Kristian Mikael Mosberg;

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Appendix

Company list

Company Name	Employees	2018 Revenue (KNO K)	2019 Revenue (KNO K)	2020 Revenue (KNO K)	2021 Revenue (KNO K)	NACE code	Classification	Product Digitalization	Process Digitalization	Marketing Digitalization	Supply chain Digitalization	ERP Digitalization	Distribution Digitalization	Rural/Urban*	Area
Blueday Technology AS	33	87 278	104 253	30 576		27, 900	Electronics & Software	1		1		1		Urban	Forus
Laerdal Medical AS	402	1 775 116	1 772 867	1 805 093		32, 500	Electronics & Software	1	1	1	1	1	1	Urban	Stavanger
Block Berge Bygg AS	186	578 440	441 898	412 901		41, 200	Construction	1	1	1		1		Rural	Tananger
Aarsland Møbelfabrikk AS	31	89 277	127 818	109 831		31, 010	Furniture			1		1		Rural	Vigrestad
Norsk Dyremat AS	50	184 701	219 071	251 903		10, 920	Food			1		1	1	Rural	Sirevåg
RobotNorge AS	33	72 543	87 623	81 489		46, 693	Electronics & Software	1	1	1		1		Rural	Klepp
Øglænd System AS	162	397 579	411 340	356 288		25, 990	Metal production		1	1		1		Rural	Klepp
Aarbakke AS	316	527 300	937 148	1 076 590		25, 620	Metal production	1	1	1	1	1		Rural	Time
Rosenberg Worleyparsons AS	974	1 091 139	3 153 556	4 557 526		30, 116	Equipment/Services O&G	1	1	1	1	1		Urban	Stavanger
Akva Group ASA	1	819 977	940 710	1 134 690		33, 200	Equipment/Services Fish Industry	1	1	1	1	1	1	Rural	Time
Westcon Power and Automation AS	130	346 381	655 522	531 885		30, 116	Equipment/Services O&G	1	1	1	1	1		Rural	Ølensvåg
Westcontrol AS	113	210 788	239 129	290 203		27, 900	Electronics & Software	1	1	1	1	1		Rural	Egersund
Bartec Technor AS	56	136 623	170 358	197 139		27, 900	Metal production	1	1	1	1	1		Urban	Forus
High Speed Machining AS	25	25 375	46 346	33 370		28, 290	Metal production	1	1	1		1		Rural	Tau
Skretting AS	335	6 626 018	6 878 451	7 569 267		10, 910	Food		1	1	1	1		Urban	Stavanger

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Fatland Ølen AS	212	3 126 351	3 166 012	3 654 314	10, 110		Food			1		1		Rural	Ølen
Lerøy Vest AS	8	1 873 466	1 888 085	2 071 723	3,2 22		Food		1	1	1	1		Urban	Bergen
Norcem AS	355	1 821 624	1 666 484	1 718 179	23, 510		Construction	1	1	1		1		Urban	Kristiansand
Vår Energi	875	22 113 050	25 112 852	27 028 105	6,1 00		Energy		1	1	1	1		Urban	Forus
Den Stolte Hane AS	21	1 422 236	1 511 018	1 685 255	46, 330		Food			1		1		Rural	Nærbø
Fiskå Mølle AS	107	1 346 200	1 389 363	1 411 381	10, 910		Food			1		1	1	Rural	Tau
Oceaneering AS	644	1 048 457	1 336 032	1 346 983	9,1 09		Equipment /Services O&G	1	1	1	1	1		Urban	Forus
NorDan AS	617	1 291 284	1 309 628	1 470 898	16, 232		General Production	1	1	1	1	1	1	Rural	Moi
Grieg Seafood Rogaland AS	164	979 052	1 574 987	1 325 242	3,2 12		Food		1	1	1	1		Rural	Stjernarøy
Autronica Fire and Security AS	361	855 820	934 637	861 796	26, 300		Electronics & Software	1	1	1		1		Rural	Karmsund
Kverneland Group Klepp	490	887 257	803 902	861 562	28, 300		Metal production	1	1	1	1	1	1	Rural	Klepp
Jæder Ådne Espeland AS	128	601 830	660 018	584 726	10, 130		Food		1	1		1		Rural	Ålgård
Mento AS	131	449 494	639 016	631 230	46, 630		Equipment /Services O&G		1	1	1	1		Rural	Tananger
Malthus Uniteam AS	92	634 636	674 851	673 630	41, 200		Construction		1	1		1		Urban	Forus
Roxar Flow Measurement AS	198	452 744	568 973	540 564	26, 510		Electronics & Software	1	1	1	1	1		Urban	Forus
Hitec Products AS	114	228 543	493 075	369 218	30, 113		Equipment /Services O&G	1	1	1	1	1		Rural	Sola
Hatteland Technology AS	151	321 676	469 743	489 425	26, 200		Electronics & Software	1	1	1	1	1	1	Rural	Aksdal
Gilje Tre AS	223	387 321	409 333	421 052	16, 232		General Production	1	1	1	1	1	1	Rural	Gilja

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Comrod AS	104	319 174	358 957	554 753		26,300	Electronics & Software	1	1	1	1	1		Rural	Tau
Covent AS	114	272 142	344 712	248 918		28,250	Metal production	1	1	1	1	1		Rural	Bjerkreim
Sandnesgam AS	124	257 981	266 866	359 812		13,100	General Production			1		1	1	Urban	Sandness
R. Stahl Tranberg AS	94	249 542	307 992	262 589		27,120	Metal production	1	1	1		1		Urban	Stavanger
Stavanger Steel AS (not existing 2022)	83	203 560	241 745	213 680		24,520	Metal production							Rural	Jørpeland
TKS Heis AS	82	155 047	176 257	187 895		28,229	Metal production	1	1	1	1	1		Rural	Klepp
Stinger Technology AS	9	8 469	13 971	13 632		71,129	Equipment /Services O&G	1	1	1	1	1		Rural	Tananger
IKM-Testing AS	616	862 694	1 210 367	1 263 405		9,109	Equipment /Services O&G	1	1	1	1	1		Urban	Forus
Papirfly AS	43	49 696	58 003	62 224		58,290	Electronics & Software	1	1	1		1		Urban	Sandness
Data Design System ASA	32	71 750	68 661	59 444		46,740	Electronics & Software	1	1	1		1		Rural	Klepp
Berentsens Bryggerhus AS	40	76 281	83 973	90 994		11,070	Food		1	1	1	1	1	Rural	Egersund
Hydro Karmøy Metallverk	678	52 570	46 408 000	44 900 000		24,421	Metal production		1	1		1		Rural	Håvik
Fjordkjøkken AS	195	466 655	467 508	608 411		10,850	Food		1	1	1	1		Rural	Varhaug
Multiblokk AS	35		92 730			23,610	Construction			1		1		Urban	Sandness
Kjosavik AS (Norengro)	215	532 938	581 867	737 162		46,769	Wholesale		1	1	1	1		Urban	Forus
Alu Rehab AS	19	113 533	118 889	101 355		30,920	Metal production	1		1		1		Rural	Klepp

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Cegal AS	367	548 478	727 553	690 884		63, 110	Electronics & Software	1	1	1		1	1	Urban	Forus
Depro AS	47	100 219	140 942	144 149		28, 120	Metal production	1	1	1	1	1		Rural	Bryne
Egersund Trål AS	51	208 045	132 858	169 421		13, 940	Equipment /Services Fish Industry			1		1		Rural	Egersund
Gilje Tre AS	222	387 321	409 333	421 052		16, 232	General Production	1	1	1	1	1		Rural	Gilja
GMC Maritime AS	28					33, 150	Equipment /Services O&G	1	1	1		1		Rural	Randaberg
Grunn-Service AS	119	130 231	252 676	289 832		43, 120	Construction			1		1		Rural	Bryne
Hytorg Norge AS	41	105 349	126 032	98 461		46, 630	Metal production	1	1	1	1	1		Urban	Stavanger
Hå Rugeri AS	23	154 484	171 391	178 400		1,4 71	Food		1	1		1		Rural	Nærbø
Kanelsnurren AS	151	35 574	43 536	55 905		10, 710	Food			1		1	1	Urban	Stavanger
Kystdesign AS	41	86 200	91 199	80 339		30, 114	Equipment /Services O&G	1	1	1		1		Rural	Aksdal
Lauvsnes Gartneri AS	88	46 479	39 355	58 041		1,1 30	Food		1	1		1		Rural	Finnøy
Miljøgartneriet AS	129	63 588	72 390	74 393		1,1 30	Food		1	1		1		Rural	Nærbø
Prosjektil AS	73	57 647	74 905	96 372		71, 121	Construction	1	1	1		1		Urban	Stavanger
Scandinavian Fittings and Flanges AS	70	390 846	1 080 830	539 165		46, 630	Equipment /Services O&G		1	1	1	1		Urban	Sandness
Gilje Tre AS	222	387 321	409 333	421 052		16, 232	General Production	1	1	1	1	1		Rural	Gilja
Sola Betong AS	25	98 828	81 655	91 098		23, 630	Construction			1		1		Rural	Tananger
Pelagia AS	955	4 764 490	5 269 265	6 732 263		10, 202	Food		1	1		1		Urban	Bergen
UniSea AS	33	48 271	63 073	71 347		62, 010	Electronics & Software	1	1	1		1	1	Rural	Skudeneshavn
Westport AS	42	66 363	93 125	73 380		52, 223	Equipment /Services O&G		1	1		1		Rural	Tananger

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Jærentreprenør AS	119	597 890	450 646	664 750		41, 200	Construction			1		1		Rural	Varhaug
Nordbø Maskin AS	7	212 353	204 963	191 546		43, 120	Construction			1		1		Rural	Hafrsfjord
DeepOcean AS	250	1 986 818	2 277 245	2 606 822		9,1 09	Equipment /Services O&G	1	1	1	1	1		Rural	Haugesund
Nordic Steel AS	100	114 077	144 589	150 336		25, 110	Metal production		1	1		1		Rural	Bryne
Titania AS	250	699 228	788 911	957 024		7,2 90	General Production		1			1		Rural	Hauge I Dalane
Bryne Kro og Hotell AS	94	25 732	25 543	23 155		55, 101	Service			1		1		Rural	Bryne
Blue Logic AS	31	38 839	69 332	34 094		71, 129	Equipment /Services O&G	1	1	1	1	1		Urban	Sandness
AS Ryfylke Trelast	53	114 482	94 627	112 337		46, 732	Wholesale		1	1		1		Rural	Tau
Reach Subsea AS	99	672 958	511 676	605 904		9,1 09	Equipment /Services O&G	1	1	1		1		Rural	Haugesund
Fonn Egersund AS	72	72 867	159 385	209 349		10, 202	Food			1	1	1	1	Rural	Egersund
Sg Safety AS (Vestteknikk AS)	33	57 090	81 583	71 983		46, 694	Equipment /Services O&G	1	1	1		1		Urban	Stavanger
Foss Fabrikker AS	35	81 554	64 529	56 725		31, 090	Furniture			1	1	1		Rural	Birkeland
Masiv bygg AS	69	885 543	712 558	587 068		41, 200	Construction	1	1	1		1		Rural	Klepp
Henriksen Oljetransport AS	19	30 219	34 364	32 774		38, 120	Transportation			1		1		Rural	Randaberg
Holmens AS	48	136 773	147 759	130 250		10, 110	Food			1		1		Urban	Stavanger
Westco Miljø AS	85	219 270	225 044	223 323		38, 320	Service		1	1		1		Urban	Sandness
Haaland Tynnplate AS	87	123 665	141 608	147 107		25, 990	Metal production		1	1		1		Rural	Vigrestad
Klepp Mek AS	46	91 697	84 446	74 590		28, 229	Metal production	1	1	1	1	1		Rural	Klepp

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Nortemp Transport AS	98	99 716	117 075	125 782		49, 410	Transportation		1	1		1		Urban	Sandness
Norwegian Offshore Rental AS	14	25 648	31 697	44 233		77, 390	Equipment /Services O&G			1	1	1		Rural	Haugesund
KVS Technologies	40	13 712	12 445	8 429		62, 010	Electronics & Software	1	1	1	1	1		Urban	Stavanger
Sirdal Skisenter (Tjørhomfjellet AS)	63	13 527	12 307	9 976		93, 110	Service		1	1		1	1	Rural	Tjørhom
Vestkorn Milling AS	78	194 279	211 383	210 664		10, 910	Food		1	1		1		Rural	Tau
Tema Norge AS	9	30 205	33 872	29 619		46, 620	Equipment /Services O&G		1	1		1		Rural	Sola
Ålgård's Auto AS	61	344 414	241 386	273 065		45, 112	Wholesale		1	1	1	1		Urban	Sandness
Saga Subsea AS	32	75 797	68 043	74 382		71, 129	Equipment /Services O&G	1		1		1		Rural	Haugesund
Østraadt Rør AS	65	110 340	127 139	114 403		23, 610	Construction			1		1		Rural	Sviland
Aquateknikk AS, Varhaug	4	21 472	16 820	12 549	16 911	46, 692	Equipment /Services Fish Industry	1	1	1		1		Rural	Varhaug
Blue Planet AS	14	20 305	20 392	17 727	17 292	72, 190	Equipment /Services Fish Industry	1		1		1		Urban	Stavanger
Bertelsen & Garpestad AS	316	890 240	1 192 151	1 047 646	383 758	43, 120	Construction		1	1		1		Rural	Egersund
Virix AS	64	34 441	26 214	20 397	44 950	74, 101	Equipment /Services O&G	1	1	1		1		Rural	Egersund
Dalane energias	9	21 931	21 376	21 123	26 243	35, 111	Energy	1	1	1		1	1	Rural	Egersund
AMV AS, Flekkefjord	237	285 983	294 353	293 361	368 352	28, 920	Metal production	1	1	1		1		Rural	Flekkefjord
Fjord Line AS	182	1 236 527	1 618 452	707 384	795 750	50, 101	Transportation	1	1	1		1	1	Rural	Egersund
Parat Halvorsen AS, Flekkefjord	97	197 723	171 247	192 446	262 214	25, 300	Metal production	1	1	1	1	1		Rural	Flekkefjord
Solstad Offshore AS	0	20 885	13 958	77 172	77 951	70, 100	Transportation	1	1	1	1	1		Rural	Skudeneshavn
Det Stavangerske	10	9 472	7 383	3 259	3 761	70, 100	Transportation	1	1	1	1	1	1	Urban	Stavanger

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Dampskibsselskab AS															
Grunn service AS	127	130 231	252 676	289 832	253 102	43, 120	Construction	1		1		1		Rural	Bryne
Lie blikk AS	97	68 502	93 088	102 932	126 798	43, 911	Metal production			1		1		Rural	Klepp
Skretting aquaculture research centre as	94	117 519	135 075	190 210	214 913	72, 190	Food		1	1	1	1	1	Urban	Stavanger
Skjævelandgruppen as	76	77 974	63 625	49 452	119 581	23, 610	General Production		1	1	1	1		Urban	Sandness
Tytlandsvik Aqua AS	37	210	101 107	171 698	216 387	3,2 12	Equipment /Services Fish Industry		1	1		1		Rural	Hjelmeland
Naturbakst AS	31	13 624	14 389	14 928	16 252	10, 710	Food		1	1	1	1		Rural	Haugesund
Rogaland Fjordbruk AS	29	366 828	405 635	545 834	547 895	3,2 11	Equipment /Services Fish Industry		1	1		1		Rural	Hebnes
Boly Bygg AS	15				43 924	46, 739	Construction		1	1	1	1		Urban	Sandness
Subsea 7 AS	630	3 901 171	5 199 631	4 706 341	706 339	9,1 09	Equipment /Services O&G	1	1	1	1	1	1	Urban	Stavanger
Simon Møster Shipping AS	377	43 661	38 754	36 626	38 309	78, 200	Transportation	1	1	1	1	1	1	Urban	Stavanger
Tidewater Marine AS	13	12 389	14 985	13 243	11 569	70, 100	Transportation	1	1	1	1	1	1	Urban	Sandness
Ørland transport AS	178	213 694	227 152	220 990	320 847	49, 410	Transportation	1	1	1	1	1	1	Urban	Sandness
Altera Norway marine as	144	171 145	161 629	186 750	190 843	78, 200	Equipment /Services O&G	1	1	1		1	1	Urban	Stavanger
Dwellop AS	22	50 158	125 712	72 885	68 360	28, 130	Metal production	1	1	1		1		Urban	Sandness
Knm Hydraulikk AS	12	5 510	9 210	9 108	234	77, 320	Metal production	1	1	1		1		Rural	Sola
Sverdrup Steel AS	49	1 152 468	2 047 287	936 750	937 733	46, 720	General Production		1	1	1	1	1	Urban	Stavanger
Altera Infrastructure AS	178	305 590	338 484	397 340	465 934	9,1 09	Equipment /Services O&G	1	1	1	1	1	1	Urban	Stavanger
Vestkorn AS	2	2 271	2 653	2 603	022	70, 100	Food			1	1	1	1	Rural	Slependen
Sviland transport AS	48	55 308	60 527	58 060	64 732	49, 410	Transportation	1	1	1	1	1	1	Urban	Sandness
Horisont energi AS	43				375	35, 210	Energy			1		1		Urban	Sandness

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Company list

Company Name	Employees	2018 Revenue (KNO K)	2019 Revenue (KNO K)	2020 Revenue (KNO K)	2021 Revenue (KNO K)	NACE code	Classification	Product Digitalization	Process Digitalization	Marketing Digitalization	Supply chain Digitalization	ERP Digitalization	Distribution Digitalization	Rural/Urban*	Area
AM Nutrition AS	21	178 428	206 468	177 718	195 856	10, 910	Food		1	1	1	1	1	Urban	Stavanger
Rennesøy trafikk AS	122	54 267	157 151	150 103	156 982	49, 410	Transportation	1	1	1	1	1	1	Rural	Mosterøy
Expro Norway AS	144	220 218	408 161	577 450	688 600	9,1 09	Equipment /Services O&G	1	1	1	1	1	1	Rural	Tananger
Solvang ASA	45	86 044	88 998	94 284	92 455	52, 229	Transportation	1	1	1	1	1	1	Urban	Stavanger
Dolphin Drilling AS						9,1 01	Equipment /Services O&G	1	1	1	1	1	1	Urban	Sandnes
Håkull AS	6	220 752	228 208	235 052	246 298	49, 410	Transportation	1	1	1	1	1	1	Urban	Kristiansand
TD Willamson Norway AS						71, 129	Equipment /Services O&G	1	1	1	1	1	1	Urban	Stavanger
Ross Offshore AS	63	148 638	168 682	157 932	338 644	71, 129	Equipment /Services O&G	1	1	1	1	1	1	Urban	Stavanger
Brøderene Håland AS	93	69 611	70 729	72 110	71 892	49, 410	Transportation	1	1	1	1	1	1	Rural	Bryne
Norwegian Lobster Farm AS	15	8 043	7 122	11 371	10 974	3,2 11	Food		1	1	1	1	1	Rural	Finnøy
Rensefiskgruppen AS	5	12 429	39 852	39 550	34 565	3,2 13	Equipment /Services Fish Industry		1	1	1	1	1	Rural	Finnøy
Skjæveland Gruppen AS	76	77 974	63 625	49 452	119 581	23, 610	General Production		1	1	1	1		Urban	Sandnes
Norsk Stein AS	393	978 692	1 032 742	1 017 819	995 549	8,1 20	General Production		1	1		1		Rural	Jelsa
ASCO Norge AS	237	631 967	692 016	601 477	811 143	52, 223	Wholesale	1	1	1	1	1	1	Rural	Tananger
Innova AS	53	97 064	137 405	99 056	107 482	71, 129	Equipment /Services O&G	1	1	1	1	1	1	Urban	Sandnes
J Johnsen & Sønner AS	43	40 806	47 201	40 624	45 861	25, 120	Metal production		1	1	1	1	1	Urban	Stavanger
Sandnes Pro-Service AS	50	59 258	62 469	59 955	65 032	88, 994	Service			1		1		Urban	Sandnes
Håland Kjøtt AS (Erling Braut)	48	28 757	27 597	31 158	31 209	10, 130	Food		1	1	1	1	1	Rural	Klepp

* We use the term rural location on areas outside the city centre of Sandnes and Stavanger including the Forus, Dusavik, and Risavika areas.

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