



Dansk Industri

REGTECH Scenen

12:15 XBRL-krav 2020

12:45 RegTech Compliance

13:15 Mød fire RegTech start-ups



Dansk Industri

XBRL-krav 2020

- Danske og europæiske tanker og muligheder

*Henrik Grønnegaard og Kim Eriksen, XBRL
Danmark*



XBRL-krav 2020 – Danske og europæiske tanker og muligheder

En introduktion til the European Single Electronic Format (ESEF)

Hvem er vi?



Kim Eriksen
Parseport ApS
Partner
København
ke@parseport.com
Tlf. 2010 2799

- Stifter partner & CEO hos ParsePort ApS
- Bestyrelsesmedlem i XBRL Denmark
- Har arbejdet med XBRL siden 2011.
- Arbejder primært med strategi og kundeservice inden for local GAAP og ESMA.



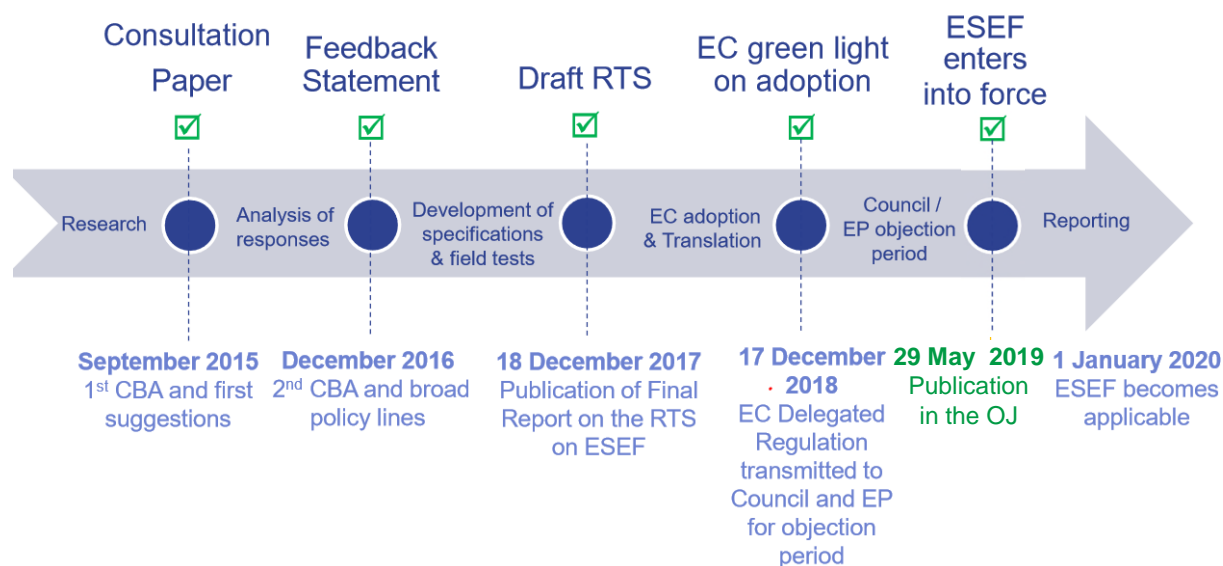
Henrik Grønnegaard
Deloitte Statsautoriseret Revisionspartnerselskab
Statsautoriseret revisor
København
hgroennegaard@deloitte.dk
Tlf. 2323 2025

- Director i Deloitte DK's faglige afdeling for revision og regnskab
- Medlem af Deloitte DK IFRS Centre of Excellence
- Medlem af Regnskabsudvalget i FSR – Danske Revisorer
- Bestyrelsesmedlem i XBRL Denmark
- Ansvarlig for regnskabsværktøjer og XBRL-løsninger i Deloitte DK

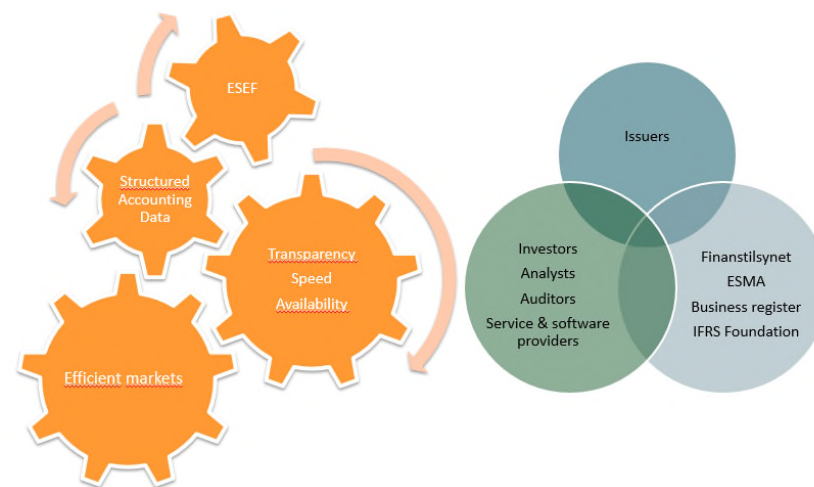
Nyt rapporteringsformat for børsnoterede virksomheders årsrapporter fra og med 2020 ... giver udfordringer, men også muligheder!

EU's reviderede transparensdirektiv (Direktiv 2014/109/EC som revideret af Direktiv 2013/50/EU):

Artikel 4(7): "ESMA shall develop draft regulatory technical standards to specify the electronic reporting format"



Kilde: European Securities and Markets Authority (ESMA)



Kilde: Finanstilsynet (2019)

Kort om the European Single Electronic Format (ESEF)

Hvad indebærer de nye krav?

De nye krav gælder for **alle børsnoterede virksomheder**, der er omfattet af Transparensdirektivets krav om offentliggørelse af årsrapporter – dvs. virksomheder, som har værdipapirer optaget til handel på et reguleret marked i et EU/EØS-land, **herunder finansielle virksomheder**, som ikke er omfattet af årsregnskabslovens klasse D.

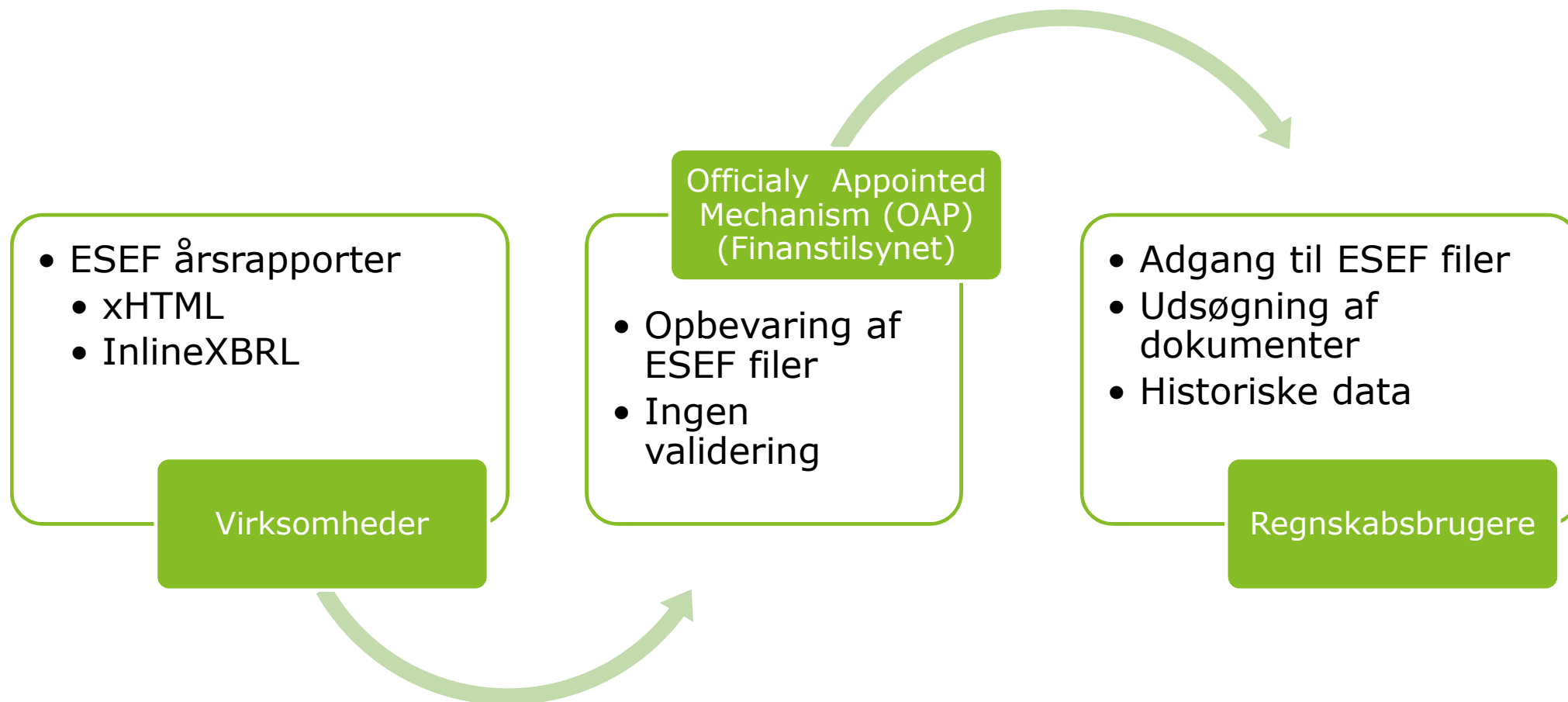
De nye krav betyder følgende:

- **Alle årsrapporter skal udarbejdes i et såkaldt xHTML-format**, der kan læses af det blotte øje ved brug af en standard web browser som fx. Internet Explorer, Google Chrome e.l.
- Hvis årsrapporten indeholder et **koncernregnskab, skal dette opmærkes med XBRL-tags**, som sætter struktur på oplysningerne i koncernregnskabet og gør dem maskinlæsbare.
- **XBRL-opmærkningen skal indarbejdes i xHTML-dokumentet** ved anvendelse af Inline XBRL-teknologien (iXBRL), hvilket muliggør både computerbehandling af XBRL-dataene og læsning af årsrapporten med det blotte øje fra ét samlet dokument.
- **XBRL-opmærkningen skal foretages op imod en særlig XBRL-taksonomi**, som udstedes og vedligeholdes af ESMA. Taksonomien er en udvidelse af IFRS-taksonomien udstedt af IASC Foundation (IFRS-taksonomi).
- **Kravet om XBRL-opmærkning på detailniveau gælder de primære regnskabsopgørelser** (resultatopgørelse og anden totalindkomst, balance, egenkapitalopgørelse og pengestrømsopgørelse). **Noteoplysninger vil kunne opmærkes for den enkelte note som helhed (block tagging)**
- Regnskabsudarbejder skal **XBRL-opmærke oplysningerne til de elementer i XBRL-taksonomien**, som kommer tættest på det regnskabsmæssige indhold af den enkelte oplysning. Hvis det pågældende element i XBRL-taksonomien **ikke på tilstrækkelig vis afspejler indholdet af regnskabsoplysningen, skal udarbejdes en virksomhedsspecifik udvidelse til XBRL-taksonomien**, der linkes til det standardelement i XBRL-taksonomien, der kommer tættest på indholdet af oplysningen.

“The objectives of the provision are to make reporting easier for issuers and to facilitate accessibility, analysis and comparability of annual financial reports.”

ESMA – European Securities and Markets Authority

Kort om the European Single Electronic Format (ESEF) Hvad indebærer de nye krav?



Kort om the European Single Electronic Format (ESEF)

Hvordan ser en xHTML fil ud?

Financial statements
Consolidated Income Statement

Millions of euro

	Notes	2016		2015	
			<i>of which with related parties</i>		<i>of which with related parties</i>
Revenue					
Revenue from sales and services	7.a	68,604	4,550	73,076	5,583
Other revenue and income	7.b	1,988	20	2,582	314
	<i>[Subtotal]</i>	70,592		75,658	
Costs					
Electricity, gas and fuel purchases	8.a	32,039	6,603	37,644	7,089
Services and other materials	8.b	17,393	2,577	16,457	2,431
Personnel	8.c	4,637		5,313	
Depreciation, amortization and impairment losses	8.d	6,355		7,612	
Other operating expenses	8.e	2,783	312	2,654	54
Capitalized costs	8.f	(1,869)		(1,539)	
	<i>[Subtotal]</i>	61,538		68,141	
Net income(expense) from commodity contracts measured at fair value	9	(133)	29	168	(24)
Operating income		8,921		7,685	
Financial income from derivatives	10	1,884		2,455	
Other financial income	11	2,289	21	1,583	15
Financial expense from derivatives	10	2,821		1,505	

Source: ESMA 2019

Svarende til en almindelig internetside ...

Kort om the European Single Electronic Format (ESEF)

Hvordan ser de indbyggede XBRL-tags ud?

Financial statements
Consolidated Income Statement

Millions of euro

	Notes	2016	of which with related parties
Revenue			
Revenue from sales and services	7.a	68,604	4,550
Other revenue and income	7.b	1,000	20
	[Subtotal]	70,592	
Costs			
Electricity, gas and fuel purchases	8.a	32,039	6,603
Services and other materials	8.b	17,393	2,577
Personnel	8.c	4,637	
Depreciation, amortization and impairment losses	8.d	6,356	
Other operating expenses	8.e	2,763	312
Capitalized costs	8.f	(1,969)	
	[Subtotal]	61,338	
Net income(expense) from commodity contracts measured at fair value	9	(133)	29
Operating income		8,921	
Financial income from derivatives	10	1,884	
Other financial income	11	2,289	21
Financial expense from derivatives	10	2,821	
Other financial expense	11	6,730	22

Online XBRL

- Highlight all tags
- Line item**
ifrs-full:Revenue
- Value**
€ 68,604,000,000
- Period**
2016-01-01 to 2016-12-31
- Units**
iso4217:EUR
- Entity**
[549300JD2GHO6WG85917](#)

Source: ESMA 2019

... med et yderligere lag af informationer, der kan fremvises ved at klikke på et bestemt opmærket element.

XBRL-opmærkningskravene i ESEF

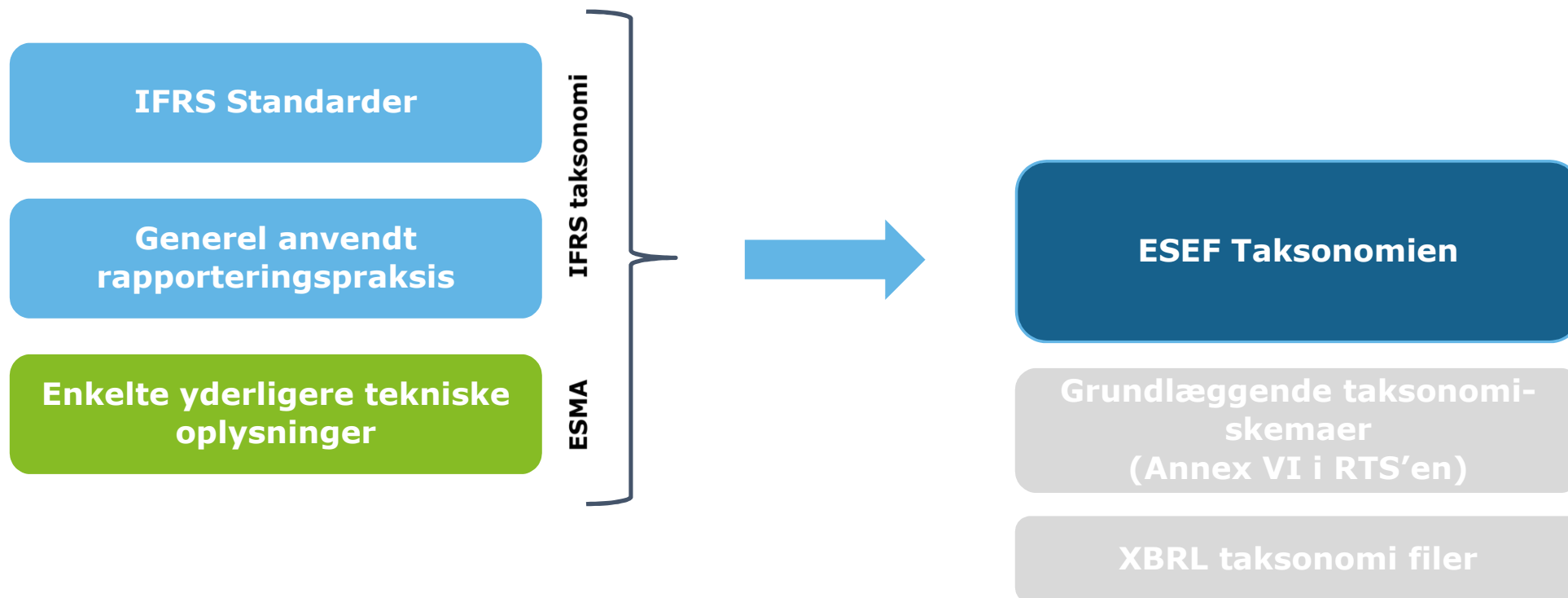
Hvilke krav gælder og fra hvornår?

	IFRS koncernregnskaber	Særskilte regnskaber, fx moderselskabsregnskaber	3. landes GAAP-regnskaber
De primære regnskabsopgørelser (resultatopgørelse, anden totalindkomst, balance, egenkapitalopgørelse og pengestrømsopgørelse) og visse specifikke basisoplysninger	Obligatorisk fra og med 2020-årsrapporter	Frivilligt – hvis pågældende EU/EØS-medlemsland har udbudt XBRL-taksonomi	Ikke muligt at opmærke
Block-opmærkning af noteoplysninger og specifikke supplerende oplysninger	Obligatorisk fra og med 2022-årsrapporter		
Detail-opmærkning af noteoplysninger	Frivilligt		

ESEF XBRL-taksonomien vil til enhver tid afspejle de EU-godkendte IFRS-standarder og fortolkningsbidrag. Hvis IFRS-standarder og fortolkningsbidrag ikke er godkendt af EU, så er de ikke medtaget i XBRL-taksonomien.

ESEF XBRL taksonomien

Hvilke elementer indgår i taksonomien?



Obligatorisk og frivillig XBRL-opmærkning Hvad skal XBRL-opmærkes?

International GAAP Holdings Limited					
Consolidated statement of profit or loss and other comprehensive income for the year ended 31 December 2017		[Aft 1]			
	Notes	Year ended 31/12/17	Year ended 31/12/16		
		CU'000	CU'000		
Continuing operations					
Revenue	5				
Cost of sales	24				
Gross profit					
Investment income	7				
Other gains and losses					
Distribution expenses					
Marketing expenses					
Administration expenses					
Other expenses	9				
Finance costs					
Share of profit of associates	20				
Share of profit of joint ventures	20A				
Gain recognised on disposal of interest in former associate	20				
Others (describe)					
Profit before tax					
Income tax expense	10				
Profit for the year from continuing operations					
Discontinued operations					
Profit for the year from discontinued operations					
PROFIT FOR THE YEAR					

Detaljeret opmærkning af de primære regnskabsopgørelser fra og med 2020-årsrapporterne

Blockopmærkning af noteoplysninger fra og med 2022-årsrapporter

6.7 Information about major customers

Included in revenues arising from direct sales to the largest customer is an amount of CU37.5 million (2016: CU39.9 million) (see note 6.2 above) are revenues of approximately 12.5% of sales for 2017 (CU19.8 million) which arose from sales to the Group's largest customer. No other single customer's contributed 10% or more to the Group's revenue for both 2017 and 2016.

Oplysninger i tekstafsnit

The new Revenue Standard introduces a 5-step approach to revenue recognition and measurement:

Billeder



NET SALES PER CATEGORY (DKK million)



Oplysninger i grafik

XBRL-opmærkning til ESEF-taksonomien

International GAAP Holdings Limited

Consolidated statement of profit or loss and other comprehensive income for the year ended 31 December 2017

Continuing operations

	Notes	Year ended 31/12/17 CU'000	Year ended 31/12/16 CU'000
Revenue	5	140,934	152,075
Cost of sales	24	(87,688)	(91,645)
Gross profit		53,246	60,430
Investment income	7	3,633	2,396
Other gains and losses	8	647	1,005
Distribution expenses		(5,118)	(4,840)
Marketing expenses		(3,278)	(2,234)
Administration expenses		(13,376)	(17,514)
Other expenses		(2,801)	(2,612)
Finance costs	9	(4,420)	(6,025)
Share of profit of associates	20	866	1,209
Share of profit of a joint venture	20A	337	242
Gain recognised on disposal of interest in former associate	20	581	-
Others [describe]		-	-
Profit before tax		30,317	32,257
Income tax expense	10	(11,485)	(11,668)
Profit for the year from continuing operations	13	18,832	20,589
Discontinued operations			
Profit for the year from discontinued operations	11	8,310	9,995
PROFIT FOR THE YEAR		27,142	30,584

▲ [310.00] Income statement, by function of expense

▲ Profit or loss [abstract]

▲ Profit (loss) [abstract]

- Revenue
- Net sales
- Production cost
- Operating cost
- Cost of sales
- Gross profit
- Research and development expense [abstract]
- Other income
- Transfer income
- Sales cost and distribution costs [abstract]
 - Sales cost
 - Distribution costs
 - Total sales cost and distribution costs
- Sales cost and distribution costs [abstract]
- Administrative expenses
- Other expense, by function
- Other gains (losses)
- Special items [abstract]
- Profit (loss) from operating activities
- Difference between carrying amount of dividends payable and carrying amount of non-cash assets
- Gains (losses) on net monetary position
- Gain (loss) arising from derecognition of financial assets measured at amortised cost
- Finance income
- Finance costs
- Share of profit (loss) of associates and joint ventures accounted for using equity method
- Profit (loss) in subsidiaries, joint ventures and associates [abstract]
 - Other income (expense) from subsidiaries, jointly controlled entities and associates
 - Gains (losses) arising from difference between previous carrying amount and fair value of financial assets
 - Profit (loss) before tax
 - Tax expense (income), continuing operations
 - Profit (loss) from continuing operations

?

?

Skal XBRL-opmærkningen revideres?

Ja – men uafklaret hvordan

Revisors rolle i forbindelse med de nye rapporteringskrav er blevet behandlet af Europa-Kommissionen, der anser ESEF-reglerne for at være lovmæssige krav i ht. EU's revisionsdirektiv og at **ESEF-rapporteringen derfor skal forsynes med en erklæring fra virksomhedens revisor.**

Kommissionen har anmodet "Committee of European Auditing Oversight Bodies" (CEAOB) om at **undersøge, hvordan revisionen af ESEF-rapporteringen vil kunne udføres i praksis og hvordan en erklæring herom vil kunne udformes.**



Væsentlige forskelle mellem ESEF og nuværende danske regler

1. ESEF-kravet gælder for **alle børsnoterede virksomheder**, uanset om de er omfattet af årsregnskabsloven eller ej.
 - Det betyder bl.a. at finansielle virksomheder som pengeinstitutter, realkreditinstitutter og forsikringsselskaber også bliver omfattet af kravet om XBRL-opmærkning.
2. xHTML-formatet **fusionerer den trykte årsrapport (PDF) og XBRL-dokumentet** i ét "dokument".
 - Det betyder, at de nuværende særskilte PDF- og XBRL-dokumenter bliver erstattet af ét samlet dokument.
3. xHTML-dokumentet skal udarbejdes og **indberettes til Finanstilsynet umiddelbart efter ledelsens godkendelse til offentliggørelse**
 - Det betyder bl.a., at XBRL-opmærkningen skal foretages samtidig med eller i umiddelbar forlængelse af færdiggørelse og ledelsesgodkendelse af årsrapporten og ikke først efter godkendelse af årsrapporten på virksomhedens generalforsamling.
 - Derudover skal xHTML-dokumentet forventeligt også indberettes til Erhvervsstyrelsen efter godkendelse på generalforsamlingen for de virksomheder, der er omfattet af årsregnskabslovens bestemmelser
4. XBRL-opmærkningen i xHTML-dokumentet vil skulle **forsynes med erklæring fra virksomhedens revisor**
 - Det vil betyde, at der kommer en øget fokus på at XBRL-opmærkning foretages korrekt af den enkelte virksomhed og virksomhedens revisor vil ikke kunne assistere med udarbejdelse af selve XBRL-opmærkningen.
5. Hvis det er nødvendigt at foretage virksomhedsspecifikke udvidelser til ESEF XBRL-taksonomien for at få afspejlet indholdet af regnskabsoplysningerne korrekt, så **vil udvidelserne skulle hægtes op mod et standardelement** i ESEF XBRL-taksonomien
 - Det kræver bl.a., at den software, der anvendes til opmærkning til XBRL-taksonomien, vil kunne håndtere en sådan ophægtning, og at opmærkning foretages af personer, der både besidder viden om XBRL-taksonomien og de underliggende IFRS-standarder
- 6. Delårsrapporter er p.t. ikke omfattet af ESEF-kravet**
- 7. Årsrapporter, der ikke indeholder koncernregnskab, skal udarbejdes og indberettes i xHTML-format**, men skal i f.t. ESEF-kravene ikke XBRL-opmærkes

HVAD ER UDFORDRINGEN

3 DSV Annual Report 2018 Introduction

FIVE-YEAR OVERVIEW

CONTENTS



ANNUAL REPORT 2018

DSV
Global Transport and Logistics

FINZ
Profit
Revers
Gross
Operat
deprec
Operat
Specia
Net fin
Profit
Adjus
Cash I
Operat
Invest
Free c
Adjus
Financ
Share
Divid
Cash II
Finan
DSV A
Non-c
Balanc
Net int
Invest
Gross
For ad

```
<?xml version="1.0" encoding="UTF-8"?>
<!--Generated by ParsePort ApS-->
<?Instance-generator id="ParsePort XBRL Generator" version="2018.05.24" creationdate="2018-10-31T10:08:42+01:00"?>
<xbrl:xbrl xmlns:lang="da" xmlns:ifrs-dk="http://xbrl.dcca.dk/ifrs-dk-cor_2014-12-20"
  xmlns:iso4217="http://www.xbrl.org/2003/iso4217" xmlns:ifrs-full="http://xbrl.ifrs.org/taxonomy/2014-03-05/ifrs-full"
  xmlns:gsd="http://xbrl.dcca.dk/gsd" xmlns:cmn="http://xbrl.dcca.dk/cmn"
  xmlns:PP="http://xbrl.parseport.com/DSAS_20181031" xmlns:xbrl="http://www.xbrl.org/2003/instance"
  xmlns:link="http://www.xbrl.org/2003/linkbase" xmlns:xbrld="http://xbrl.org/2006/xbrld"
  xmlns:xlink="http://www.w3.org/1999/xlink">
  <link:schemaref xlink:type="simple"
    xlink:href="http://archprod.service.eogs.dk/taxonomy/extension/DSAS_20181031/DSAS_entry_20181031.xsd"/>
  <xbrl:unit id="pure">
    <xbrl:measure>xbrl:pure</xbrl:measure>
  </xbrl:unit>
  <xbrl:unit id="DKK">
    <xbrl:measure>iso4217:DKK</xbrl:measure>
  </xbrl:unit>
  <xbrl:context id="duration_Q3_2018_only">
    <xbrl:entity>
      <xbrl:identifier scheme="http://www.dcca.dk/cvr">58233528</xbrl:identifier>
    </xbrl:entity>
    <xbrl:period>
      <xbrl:startDate>2018-07-01</xbrl:startDate>
      <xbrl:endDate>2018-09-30</xbrl:endDate>
    </xbrl:period>
  </xbrl:context>
  <xbrl:context id="duration_Q3_2018_IdentificationOfMemberOfExecutiveBoardAxis_cmn_memberOfBoardIdentifier_only_1">
    <xbrl:entity>
      <xbrl:identifier scheme="http://www.dcca.dk/cvr">58233528</xbrl:identifier>
    </xbrl:entity>
    <xbrl:period>
      <xbrl:startDate>2018-07-01</xbrl:startDate>
      <xbrl:endDate>2018-09-30</xbrl:endDate>
    </xbrl:period>
    <xbrl:typedMember dimension="cmn:IdentificationOfMemberOfExecutiveBoardAxis"
      <cmn:memberOfBoardIdentifier>1</cmn:memberOfBoardIdentifier>
    </xbrl:typedMember>
  </xbrl:context>
  <xbrl:context id="duration_Q3_2018_IdentificationOfMemberOfExecutiveBoardAxis_cmn_memberOfBoardIdentifier_only_2">
    <xbrl:entity>
      <xbrl:identifier scheme="http://www.dcca.dk/cvr">58233528</xbrl:identifier>
    </xbrl:entity>
    <xbrl:period>
      <xbrl:startDate>2018-07-01</xbrl:startDate>
      <xbrl:endDate>2018-09-30</xbrl:endDate>
    </xbrl:period>
    <xbrl:typedMember dimension="cmn:IdentificationOfMemberOfExecutiveBoardAxis"
      <cmn:memberOfBoardIdentifier>2</cmn:memberOfBoardIdentifier>
    </xbrl:typedMember>
  </xbrl:context>
</xbrl:xbrl>
```


HVORDAN FORBEREDER MAN SIG PÅ **ESEF**

Gennemgå det nuværende **workflow**. Tegn det evt.

Undersøg og identificer hvad det **reele behov** er.

Inviter de forskellige **stakeholders** som er involveret i processen.

Byg en businesscase omkring stakeholdergruppen uden at gå på kompromis med **kvalitet og compliance**.

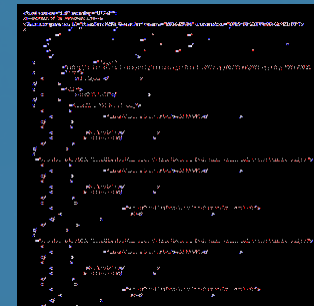
Sørg for at holde det simpelt.

EURRIN WORKFLOW



The screenshot shows an Excel spreadsheet with multiple columns of financial data. The data is organized into sections for different categories, with numerical values and currency symbols.

Category	Item	Value 1	Value 2	Value 3	Value 4	Value 5
INVESTMENTS	Investments	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00
	Loans	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00
	Equity	\$ 70.00	\$ 50.00	\$ 80.00	\$ 70.00	\$ 50.00
	Loans	\$ 100.00	\$ 300.00	\$ 300.00	\$ 400.00	\$ 400.00
LOANS	Loans	\$ 900.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00
	Equity	\$ 2,370.00	\$ 2,550.00	\$ 2,340.00	\$ 2,670.00	\$ 2,650.00
EQUITY	Equity	\$ 80.00	\$ 80.00	\$ 80.00	\$ 40.00	\$ 40.00
	Loans	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 200.00
	Equity	\$ 100.00	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
	Loans	\$ 1,000.00	\$	\$	\$	\$
TOTAL	Total	\$ 6,170.00	\$ 3,480.00	\$ 120.00	\$ 100.00	\$ 290.00
	Total	\$ 1,340.00	\$ 2,690.00	\$ 2,700.00	\$ 2,770.00	\$ 2,340.00
TOTAL	Total	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00
	Total	\$ 1,400.00	\$ 810.00	\$ 800.00	\$ 330.00	\$ 80.00



FEEDBACK VI FÅR I DAG

Mange vil gerne bibeholde og bruge **PDF**.

Konsolidering af finansielle data sker i **Excel**

Mange stakeholders – mange processer.
(Visuelt, finansielt, juridisk, budskaber, ledelse etc.)

XBRL kompetancer er **begrænset** og **svære** at opnå.

Overgangsprocessen til iXBRL skal gerne være så **smertefri** som overhovedet muligt. Og om muligt I små skridt.

Produktions processen og derved workflows skal revurderes og redefineres.

MULGIHEDER FREMADRETTET



VORES ANBEFALING

Spis elefanten i små bidder!

Start tidligt – men forhast intet.

Udnyt de ressourcer der er tilgængeligt.

Revisorer – events – XBRL Danmark – leverandører – myndigheder etc.

Sørg for at lave en strategi der rækker over min. 2 år og ha' roadmappen fra ESMA in mente.

Udnyt muligheden for at opgradere, innovere, ændre eller bygge nye systemer og processer. Det skal ændres – uagtet hvad.

Sørg for at lave 2019 rapporten klar tidligt. Brug den som generalprøve eller rettesnor til 2020.

European Single Electronic Format (ESEF)

Hvor kan jeg finde yderligere information?

På ESMA's hjemmeside

- ESEF webpage (www.esma.Europe.eu/esef)
- The final report on the draft RTS on ESEF (ESMA32-60-204)
- The ESEF Reporting Manual (ESMA32-60-254)
- Video tutorials on ESEF: Video 1: www.youtube.com/watch?v=IOg9ETFpAhg
Video 2: youtu.be/FImK-_H2x8w
- The Feedback Statement on the Consultation Paper on the RTS on ESEF (ESMA/2016/1668)

På IFRS Foundation's hjemmeside

- General resources on the IFRS Taxonomy
- Using the IFRS Taxonomy: A Preparer's Guide
- IFRS Taxonomy illustrative examples

På Finanstilsynets hjemmeside

- ESEF webpage (<https://finansstilsynet.dk/Lovgivning/EU-lovsamling/Retsakter/Transparensdirektivet/ESEF-210619>)

På XBRL Europe's hjemmeside

ESEF Digital Financial Reporting Hub
by **XBRL EUROPE**

To facilitate an anticipated adoption of ESMA's ESEF rules, technologies & tools, XBRL Europe offers this **ESEF Digital Financial Reporting Hub**.

The European Single Electronic Format (ESEF/XBRL) is the electronic reporting format in which issuers on EU regulated markets shall prepare their annual financial reports from 1st January 2020.

REGULATION
Find information on the European Single Electronic Format (ESEF) on the [ESMA ESEF page](#) and the [EC TD page](#). Read the [COMMISSION DELEGATED REGULATION \(EU\) 2018/15](#) of 17 December 2018 as published on 29th May 2019. Also join the ESMA ESEF group in the [EsefHub](#) for ESEF regulation.

TAXONOMY
Access the [ESEF taxonomy](#) that defines the shared tags to describe the data published in ESEF annual reports. Also access other taxonomies such as the IFRS taxonomy.

WEBINARS & EDUCATION
View [webinars](#) to learn how to prepare or read ESEF/XBRL reports. Or [publish](#) such webinars.

TOOLS & SERVICES
Consult a list of [tools and services](#) for preparing or reading ESEF/XBRL reports.

ESEF Latest News **OFFICIAL REGULATION PUBLISHED (29.05.2019) DURING THE 23RD XBRL DAY IN PARIS.**

The ESEF Digital Hub has been opened on 12 November 2018 by the XBRL Europe Community, present at the XBRL International Data Amplified Conference in Dubai and has been regularly updated. ESEF Tool list last update on 22nd May 2019.



Tak for jeres opmærksomhed!



Dansk Industri

REGTECH Scenen

12:15 XBRL-krav 2020

12:45 RegTech Compliance

13:15 Mød fire RegTech start-ups



Dansk Industri

RegTech Compliance

- Med fokus på ikke-finansielle virksomheder – hvad sker der på teknologifronten?

CEO Christian Visti Larsen, NewBanking Aps

REGTECH

**A Danish RegTech story
presented by**

**Christian Visti, CEO NewBanking
5. August 2019 - DI**

Regtech what..?



Regtech companies: Companies providing technologically advanced solutions to meet the demands of regulatory compliance. Original within the financial industry, but now "post" GDPR also serving broader into different sectors.

Digitization is here



Data is shared



We have a responsibility to protect your information. If we can't, we don't deserve it.

You may have heard about a quiz app built by a university researcher that leaked Facebook data of millions of people to a quiz. This was a breach of trust, and I'm sorry we didn't do more at the time. We're now taking steps to make sure this doesn't happen again.

We've already stopped apps like this from getting so much information. Now we're limiting the data apps get when you sign in using Facebook.

We're also investigating every single app that had access to large amounts of data before we fixed this. We expect there are others. And when we find them, we will ban them and tell everyone affected.

Finally, we'll remind you which apps you've given access to your information - so you can shut off the ones you don't want anymore.

Thank you for believing in this community. I promise to do better for you.


Mark Zuckerberg



Companies are at risk



Laws are tightened



Selskabsloven § 225 (ændring pr. 10. januar 2020)
Lov om aktie- og anpartsselskaber (selskabsloven) paragraf 225

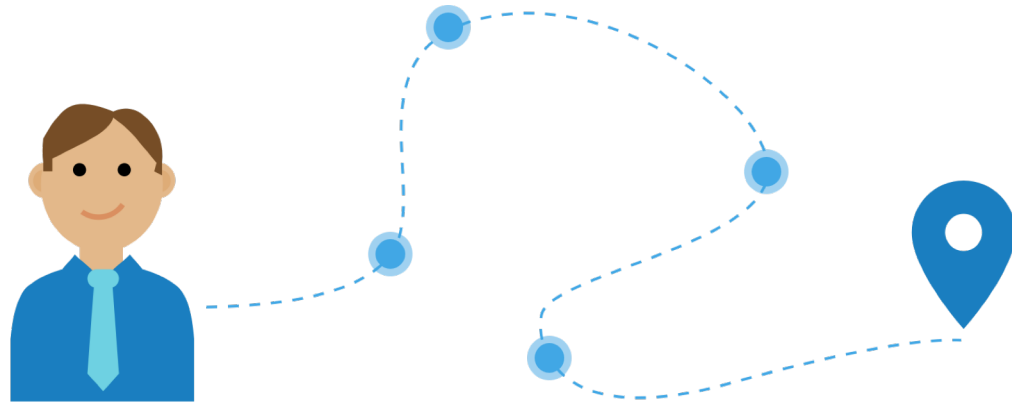
Denne § er fra den **opdaterede og konsoliderede version** af selskabsloven og bygger på lovbekendtgørelse nr. 1089 af 14. September 2015. Eventuelle senere ændringslove er implementeret i det omfang, de er trådt i kraft.

§ 225. Tvangsoplysning
Erhvervsstyrelsen kan anmode skifteretten om at oplyse et kapitalelskabskab, om formødet efter § 225, hvis

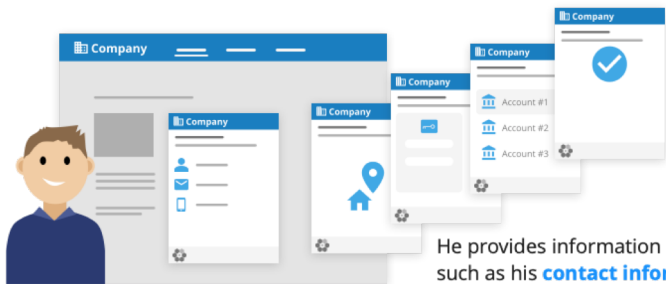
- 1) Erhvervsstyrelsen ikke rettidigt har modtaget kapitalelskabets godkendte årsrapport i behørig stand efter årsregnskabsloven,
- 2) kapitalelskabet ikke har den ledelse eller det hjemsted, der er foreskrevet i loven eller i selskabets vedtægter,
- 3) kapitalelskabet intet har registreret i henhold til § 58,
- 4) kapitalelskabet ikke har registreret oplysninger om reelle ejere eller selskabet har foretaget mangelfuld registrering i henhold til § 58 a,
- 5) kapitalelskabet ikke har opbevaret dokumentation for oplysningerne om selskabets reelle ejere eller selskabet har opbevaret mangelfuld dokumentation i henhold til § 58 a.

GDPR
General Data Protection Regulation

A few Regtech - Use Cases



Employee personal data

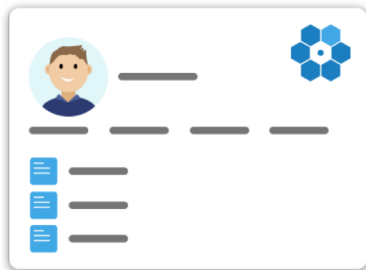


Tom is a **new employee**. He needs to give some personal information to his new workplace.

He provides information about himself such as his **contact information, address, social security number and bank account information.**



The company receives access to Tom's information.

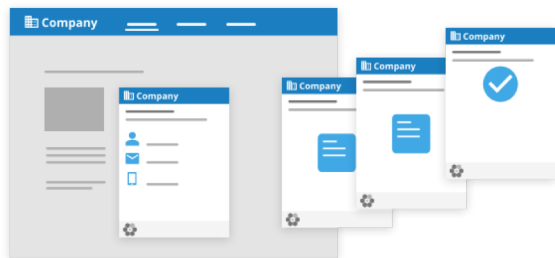


The company now has a record of the information they need about Tom **stored digitally and securely.**

Job application



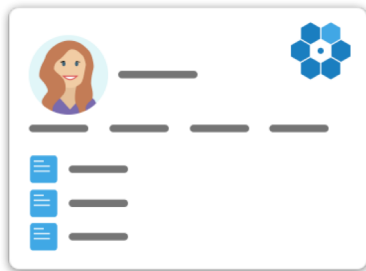
Anna wants to **apply for a job** with a company.



She can apply on the company's website and **share application letter and CV securely**.



The company receives **access to the documents** after Anna completes the process.



The company's **access** to Anna's information can be **automatically removed** after three months.

Secure conversations

A user gives a company **access** to personal information through NewBanking Identity.



A person from the company **starts a conversation** with the user.



The user receives a **notification** by email...

They can now securely **communicate** and **exchange information**.

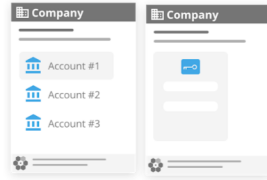


...and **logs in** to his NewBanking Identity account **to respond**.

Bank account verification



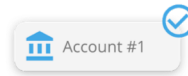
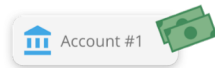
A company is going to **transfer money** to an account.



The recipient **proves account ownership** by accessing the account through NewBanking's platform.



The recipient **receives** the money into the account.



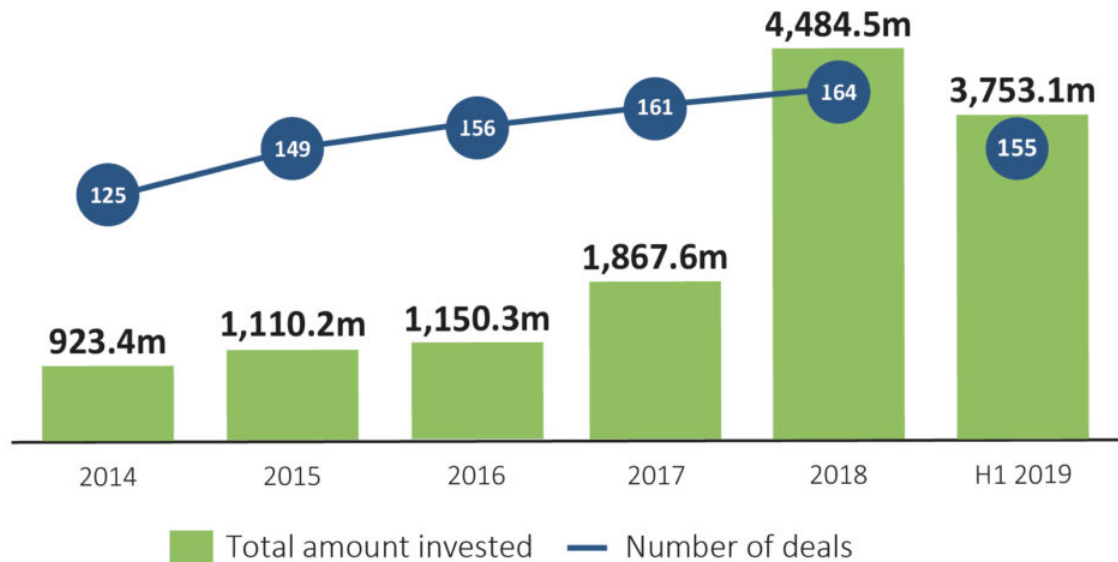
The company can see that the **account ownership is verified**, and can safely transfer the money.

A word-up for Denmark



The next “bubble”

Global RegTech investment, 2014 - H1 2019
(USD, number of deals)



Source: FinTech Global



What is next FOR YOU?



- En lang række organisationer, herunder Copenhagen Fintech og Dansk Industri, arbejder på at fremme det meget direkte samarbejde mellem etablerede virksomheder og tech-startups
- Der er mange aktiviteter centreret omkring mentorship og adgang til kunder/markeder og modsat adgang til innovation og techkompetencer, der skaber værdi i begge virksomheder
- Den mest forpligtende og omfattende form for involvering er prove proof of concept (POC) eller minimum viable product test (MVP'er).



Thank you

Share safely and visit us at:
[NewBanking.com](https://www.NewBanking.com)



Dansk Industri

REGTECH Scenen

12:15 XBRL-krav 2020

12:45 RegTech Compliance

13:15 Mød fire RegTech start-ups



Dansk Industri

Besøg vore 4 RegTEech start-ups

*Calcabis v/ Kasper Wodstrup Rost
CLA Reply v/ Henrik Boensvang
Intercompany Software v/ John Dar
NewBanking v/ Christian Visti Larsen*

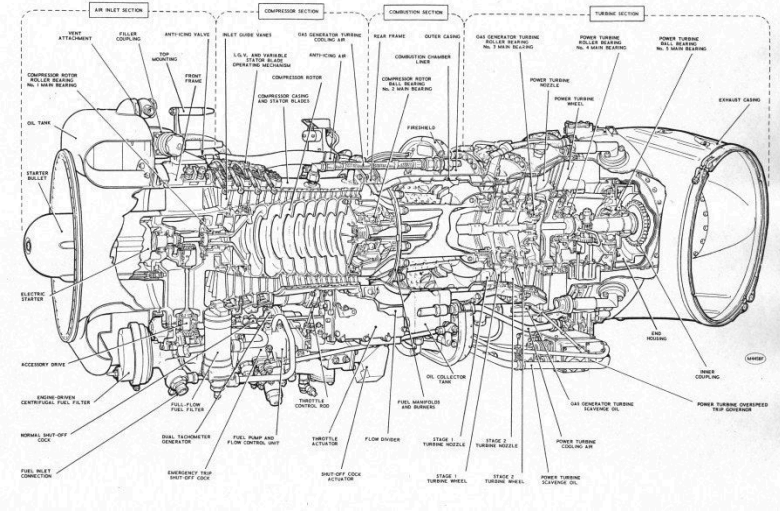
**WE
EMULATE
PEOPLE**

AI with a human touch

What is our history and who uses Calcabis AI



2004
Lifescience

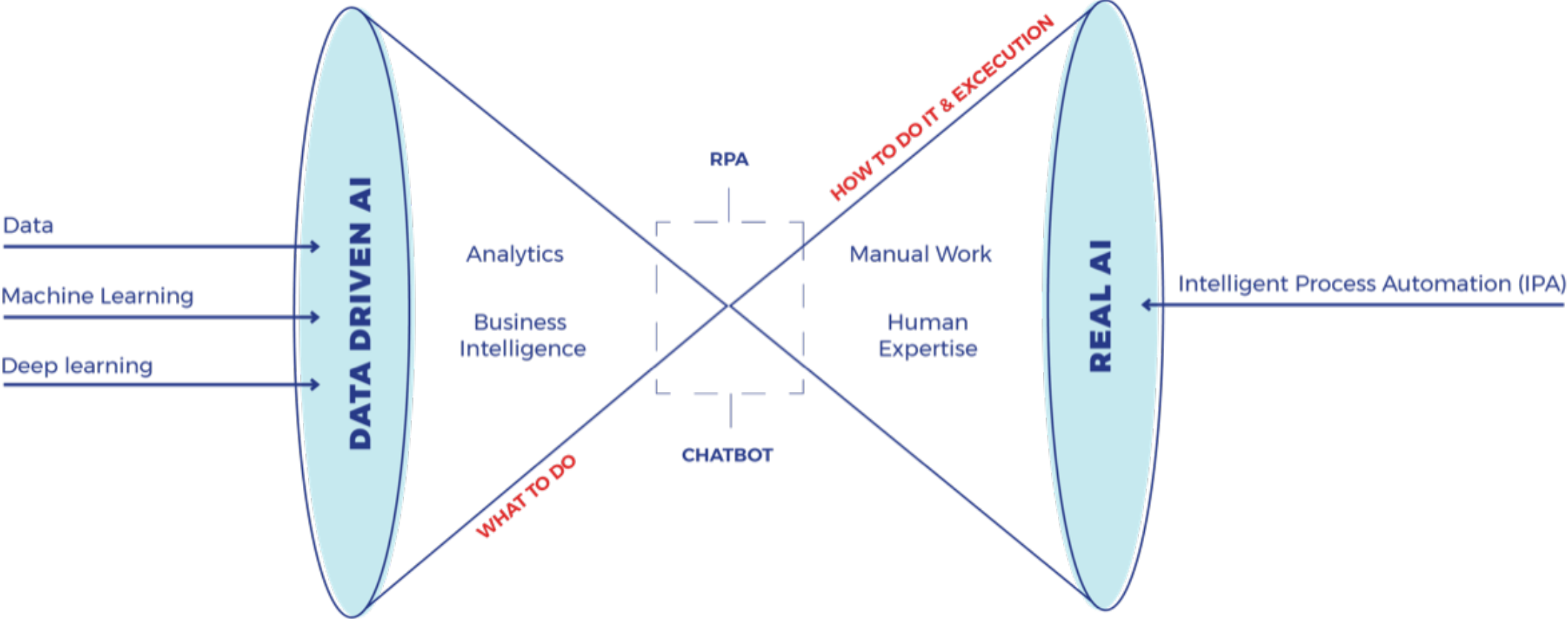


2009
Engineering



2017
RegTech

THE BUTTERFLY EFFECT



How virtual experts work

01 02 03

WHAT ARE CALCABIS VIRTUAL EXPERTS?



Cognitive knowledge



Data



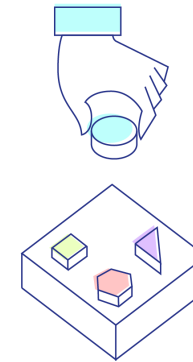
Process



AI Components

A virtual expert is a composition or combination of data, cognitive knowledge, processes and AI components.

Here illustrated as a building block.



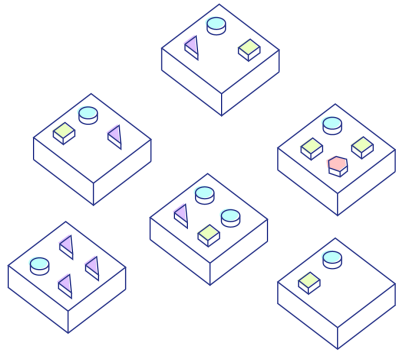
You define the skillset of the virtual experts, by the information you feed in to them, such as inputting human knowledge from your existing expert employees.

Here illustrated as building blocks.

How virtual experts work

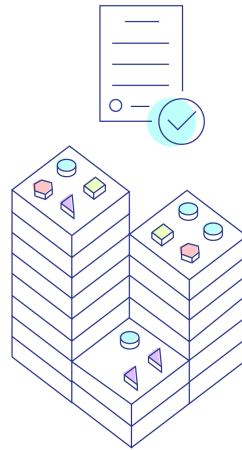
01 02 03

HOW DO VIRTUAL EXPERTS WORK?



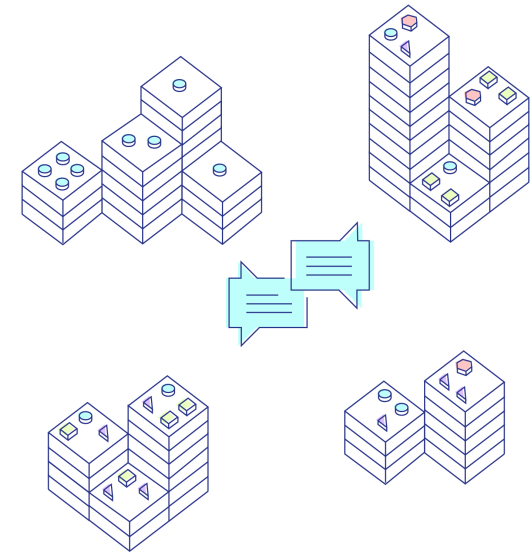
The composition and combination of data, cognitive knowledge, processes, and AI components is customized to the specific task each building block is designed to do.

It can be any task or level of expertise



All the virtual experts can be paired and put together to handle your specific requirements be it tasks, processes or expertise.

Everything fully documented and transparent.



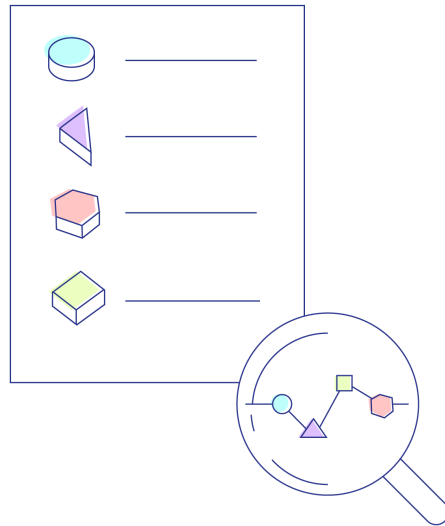
The neural network of virtual experts communicates across departments, each's field and level of expertise just as in the real world where humans combine skills, knowledge, and know-how to reach the correct solution.

All virtual experts combine forces to find the correct conclusion.

How virtual experts work

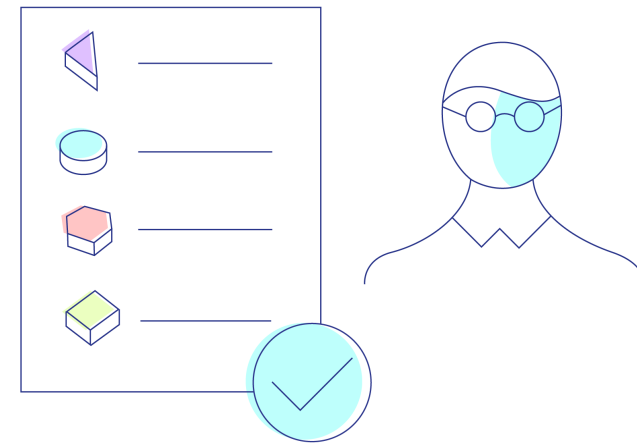
01 02 **03**

HOW IS THE CONCLUSION REACHED?



A decision log is created, displaying each step of how the conclusion was reached, and how each virtual expert was constructed.

100% transparency of all data giving a fully documented process.



If required each conclusion can be reviewed by your employees to validate the output.

If there are any discrepancies or mistakes, the employee can go through the decision log to identify the root cause within a specific virtual expert and change the faulted information to ensure a correct outcome in the future.

Easy to scale and maintain.



Do stay in touch

Kasper Wodstrup Rost
CEO & Founder
kasper.rost@calcabis.com
+45 27 11 56 06

Platform

<

Proces



CLA  REPLY

Compliant onboarding made easy.

Henrik Boensvang, Co-founder
henrik@clareply.com
+45 42 45 3008

COMPLIANCE GÆLD



Don't worry!

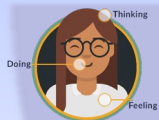
Staying just
ahead of the
avalanche is
the key...

OPERATIV COMPLIANCE



FINTECH SERVICE TOOLS

Step 1 Define user case



Step 4 Collaboration



Step 2 Integrate



Step 3 Standards, best practices and partnerships



farpay

Debitorbogholderiet

CrediWire

Overblik på nøgletal

CLAREPLY

Hjælper med
compliance gælden

kontolink

Bogføring med match af
bilag, direkte fra din bank

ZENEGY

Automatiserer din lønørsel

**Fintech-pakken
2019**

LENDINO

Hjælper virksomheder med
finansiering

I samarbejde med

JYSKE BANK

Nordea

**Sandgrav
SOLUTIONS**

VISMA | e-conomic

**Copenhagen
Fintech**



INTERCOMPANY
SOFTWARE®

John Farooque Dar

Co-founder | CEO

john@intercompany-software.com

+45 5265 0482

Introducing: New Banking Identity

A Platform for Personal Data Management

Easy-to-Manage

Secure

Trusted

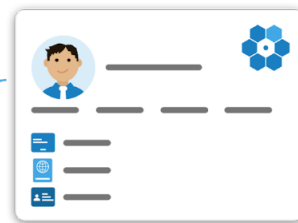
In his daily life, James often needs to share his personal information.



James uses **NewBanking Identity** as an encrypted, secure vault to store his personal information.



James can easily **select which information he wants to share** and he can always see who has access.



The companies then receive **a unique access** to the specific information they require.



Indhentning af data/information



YourLogo Secure data sharing

Message from YourCompany

Hi Søren!

Before our meeting we need some initial information about you as a customer. If you fill everything in this process out, we will be off to a great start!

Required information

- Passport
- Health card
- Contact information
- NemID

Continue

Powered by NewBanking Identity, an encrypted GDPR platform for storing, managing and sharing of sensitive information and part of

YourLogo Secure data sharing

NewBanking Identity account

Create account Log in

Name
Søren Sørensen

Email
sorensaren@company.com

Password
••••••••

Repeat password
••••••••

I agree with [NewBanking's user agreement](#)

Create account

Powered by NewBanking Identity, an encrypted GDPR platform for storing, managing and sharing of sensitive information and part of


YourLogo Secure data sharing

Step 1/5

Passport

Select the passport you want to share

Passport
passport.jpg



Continue

Powered by NewBanking Identity, an encrypted GDPR platform for storing, managing and sharing of sensitive information and part of


YourLogo Secure data sharing

Step 2/5

Health card

Please select the health card you want to share

Health card
+ Add health card



Continue

Powered by NewBanking Identity, an encrypted GDPR platform for storing, managing and sharing of sensitive information and part of

YourLogo Secure data sharing

Step 3/5

Contact information

Name
Søren Sørensen

Email
sorensaren@company.com

Mobile number
+ 4522334455

Continue

Powered by NewBanking Identity, an encrypted GDPR platform for storing, managing and sharing of sensitive information and part of

YourLogo Secure data sharing

Step 4/5

NemID

Please enter your NemID here to verify your identity

NEM ID

Company A/S

Bruger-id Husk mig

1234567890

Adgangskode [Glem kode?](#)

••••••

Log på

Continue

Powered by NewBanking Identity, an encrypted GDPR platform for storing, managing and sharing of sensitive information and part of

YourLogo Secure data sharing

Step 5/5

Confirm to share

Please check that the information below is correct and click confirm to share

Contact information
Søren Sørensen
sorensaren@company.com
+45 22334455
nemid
101280-1233

Passport
passport.jpg

Health card
healthcard.jpg

I agree with [YourCompany's user agreement](#)

Confirm

Powered by NewBanking Identity, an encrypted GDPR platform for storing, managing and sharing of sensitive information and part of

YourLogo Secure data sharing

Step 5/5

Successfully shared

You have successfully shared personal information with [YourCompany](#).

You can always view and control your data shares on your [NewBanking Identity account](#).

Close

Powered by NewBanking Identity, an encrypted GDPR platform for storing, managing and sharing of sensitive information and part of

Genbrug data



Capital Management, Inc. Secure data sharing

Welcome!

Capital Management, Inc. requires the following information about you. We use an encrypted digital process to securely collect your information.

Required information

- Passport
- Health card
- Contact information
- NemID

[Start](#)

Powered by NewBanking Identity, an encrypted GDPR platform for storing, managing and sharing of sensitive information and part of



Capital Management, Inc. Secure data sharing

Your account

Create account [Log in](#)

Email
sørensen@company.com

Password
..... [Forgot password!](#)

[Log in](#)

Powered by NewBanking Identity, an encrypted GDPR platform for storing, managing and sharing of sensitive information and part of



Capital Management, Inc. Secure data sharing

Step 5/5

Confirm to share

Please check that the information below is correct and click confirm to share

Contact information [Edit](#)

Søren Sørensen
sørensen@company.com
+45 22334455
NemID
101280-1233

Passport [Passport.jpg](#)

Health card [healthcard.jpg](#)

I agree with [Company user agreement](#)

[Confirm](#)

Powered by NewBanking Identity, an encrypted GDPR platform for storing, managing and sharing of sensitive information and part of



Capital Management, Inc. Secure data sharing

Successfully shared

You have successfully shared personal information with CompanyName.

You can always view and control your data shares on your [NewBanking Identity account](#).

[Close](#)

Powered by NewBanking Identity, an encrypted GDPR platform for storing, managing and sharing of sensitive information and part of

My page



A screenshot of a web browser showing the "My page" overview for Mia Jensen. The browser address bar shows "newbanking.com". The page has a blue sidebar on the left with the "NewBanking IDENTITY" logo and navigation links: Information, Consents, Shares, Conversations, and Settings. At the bottom of the sidebar is a "Log out" button. The main content area shows the user's profile "Mia Jensen" with a "Add data" button. Below the profile is an "Information" section with fields for name, address, and phone number. A "Documents" section contains a table of uploaded files:

Type	Name
document.pdf	Document
passport2018.jpg ✓	Passport
healthcard1.jpg ✓	Health card

A screenshot of the "Shares" management page for Mia Jensen. The browser address bar shows "newbanking.com". The page title is "Shares" with a "New share" button. Below the title is a sub-header "Control the data you send out in temporary shares" and a language selector (UK flag). There are three tabs: "All", "Active", and "Inactive". The "Active" tab is selected, showing a list of shares:

Name	Status	Details
Caspar Flemmings	Active	cf@company.com
Serena Svendsdottir	Active	serenas@mycompany.com
Amanda Marcusson	Active	amma@gmail.com
John Hansen	Expired	john@johnhansen.dk

Below the list, the details for the selected share "Caspar Flemmings" are shown:

- Name:** Mia Jensen
- Email address:** miajensen@gmail.com ✓
- Mobile phone:** +451 1223344 ✓
- Address:** Applebys Plads 7, 1411 Copenhagen, Denmark

A red "Delete share" button is located at the bottom right of the details section. A blue sidebar on the left of the page contains the "NewBanking IDENTITY" logo and navigation links: Information, Consents, Shares, Conversations, and Settings. At the bottom of the sidebar is a "Log out" button.

Admin Panel



This screenshot shows the user profile for Mia Jensen in the NewBanking IDENTITY Admin Panel. The profile includes a profile picture, name, and role tags: "Board member" and "Customer". There is an "Add label" button. Below the profile information, there is a "Documents" section with a table of uploaded files.

Type	Name
document1.pdf	Document
passport1&.jpg ✓	Passport
healthcard.jpg ✓	Health card

This screenshot shows the "People" list in the NewBanking IDENTITY Admin Panel. It displays a list of 22 people with columns for Name, Email, Labels, and Last updated. A search bar and a "Request" button are visible at the top right. The list includes names like Anders Andersen, Anna Flemmingsen, Brian Bentsen, Carl Carstensen, Ditte Ditlevsen, Emma Eskildsen, Frank Frandsen, Georg Gertsen, Henrik Hansen, and Ingrid Ingemannsen.

Name	Email	Labels	Last updated
Anders Andersen ⓘ	aa@companymail.com	Board Member Customer Person Identity information 2018 +2	Oct 23, 2018
Anna Flemmingsen ⓘ	aflemmingsen@gmail.com	Board Member Customer Person Identity information 2018 +2	Oct 23, 2018
Brian Bentsen ⓘ	brianbent@gmail.com	Board Member Customer Person Identity information 2018 +2	Oct 23, 2018
Carl Carstensen	cc@companymail.com		Oct 23, 2018
Ditte Ditlevsen	dittedit@gmail.com		Oct 23, 2018
Emma Eskildsen	emmaeskildsen@gmail.com		Oct 23, 2018
Frank Frandsen	ffrandsen@gmail.com		Oct 23, 2018
Georg Gertsen ⓘ	gege@officeemail.com	Board Member Customer Person Identity information 2018 +2	Oct 23, 2018
Henrik Hansen	hhansen@gmail.com	Board Member Customer	Oct 23, 2018
Ingrid Ingemannsen	ingridi@gmail.com	Board Member	Oct 23, 2018



Thank you

Share safely and visit us at:
[NewBanking.com](https://www.NewBanking.com)

NewBanking what..?



Your LEGAL identity

The Facebook logo, which is the word "facebook" in white lowercase letters on a dark blue rectangular background.

facebook

Your PRIVATE identity



Your WORK identity



Dansk Industri

Vi ses i Salen om et øjeblik...