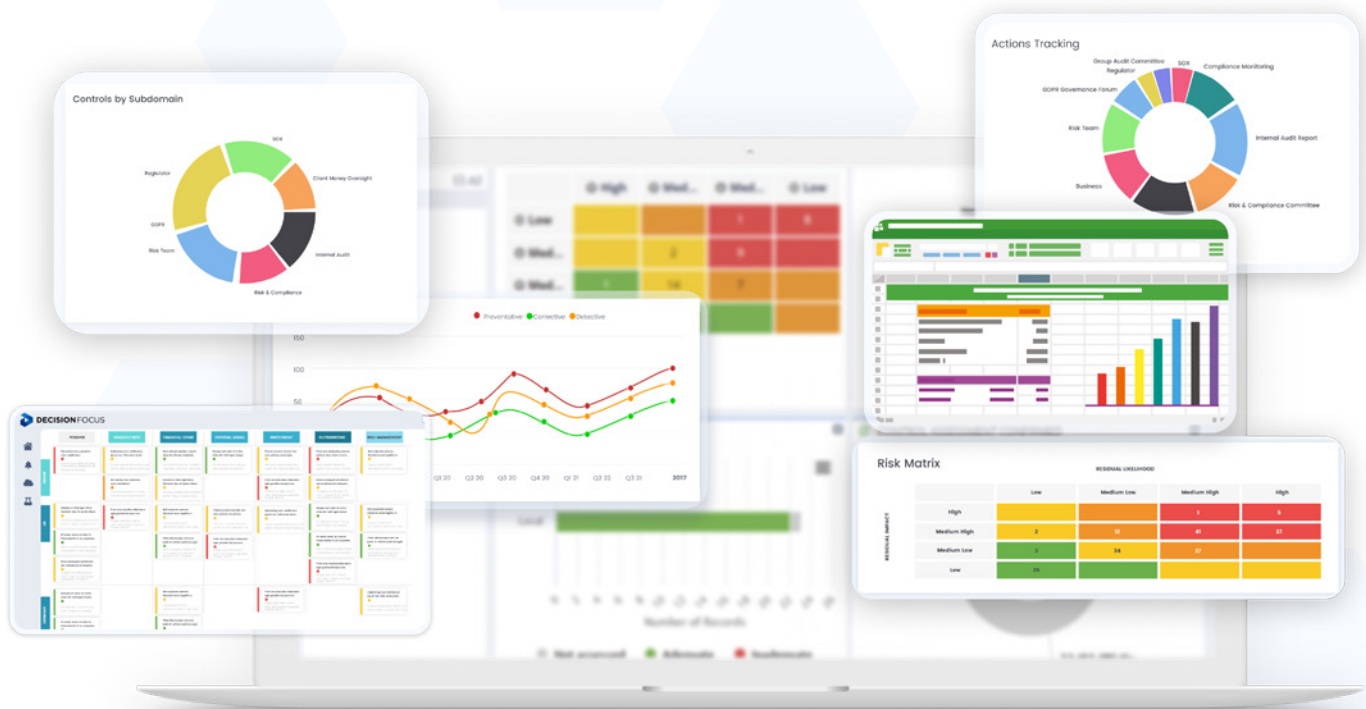


Advanced Reporting Options with Decision Focus



Overview of Feature Set

No Data Jails. No more Excel-mania or slide shuffle in PowerPoint

100% of data in Decision Focus can be used across a multitude of visuals. We go to great lengths to eliminate the need for you to export data. Our reporting features are continuously extended, and should you still want to export your data, well then we made that simple too.

Our Vision for Reporting

A completely new approach to reporting.

Reports should be zero-touch once defined. They just work, and are ready to present to the board or committee directly. You can share them with a 'live link' or you can export to a pdf and send it.

You can even 'click to edit' directly. No more "dead data" in Powerpoint, PDF or Sharepoint. Even reduce or remove reliance on BI tools.



Benefits of Zero-touch reporting



Reduce islands of information

Gather data in one **simple** tool, flexible enough to cater for many reporting needs



Easy to follow up and report

Report across many data sets, hierarchies and include metrics and trends



Full audit trail on report changes

We eliminate the need to export to a reporting tool. Any report generated in-app is therefore based directly on record data, and has full revision log for any changes



Built in Report Generation

Auto-generate reports for C-level and GRC teams. No word, excel or PowerPoint needed



Build beautiful dashboards

Customized dashboards and reporting, based on **Highchart libraries**

Six Reporting Options with Decision Focus

Dashboards

Multiple widgets to choose from, all based on the HighChart library.

Use Case: Detailed overviews, with clickthrough capability, by role and function. Also used for recordbased data, such as by country, by business Unit and similar.

API for External Reporting Tools

Open API for pulling complete data set out of Decision Focus, documented with Swagger.

Use Case: For select cases, where data needs to feed downstream systems for combined reports, feeding into BI tools and ERP systems.

Custom Reports

Powerful, completely customizable reports built with Javascript. Supports drill down, instant updates, save to pdf and re-use of access control.

Use Case: Compliance Report, Quarterly Risk Committee Report for Chief Risk Officer, Audit Reports – replacing all manually created reports with live reports in the system.

Template Based Excel Reports

Export to excel across data sets, to your own preformatted template. Use any Excel feature for modifying data and displaying charts. Easy to re-use and set limits for access.

Use Case: For detailed reporting demands with and demands that cannot be met by the platform, typically for smaller groups of users. No drill down or auto-update.

Menu Display Options

A filterable data set, with board, table, pivot, donut or node diagram for single form data.

Use Case: End user custom report on simple data sets.

Publisher Engine

Draft, approve and publish text for all end users. Allows any graphical design to align with company standards.

Use Case: Publish Company Policies, Standards and Guidelines. Analysis tools for frequency of 'read activity' to monitor relevance.

Dashboards

Unleash your creative mindset as a Workspace Designer. Deliver trends, metrics, tables in one combined dashboard for your team

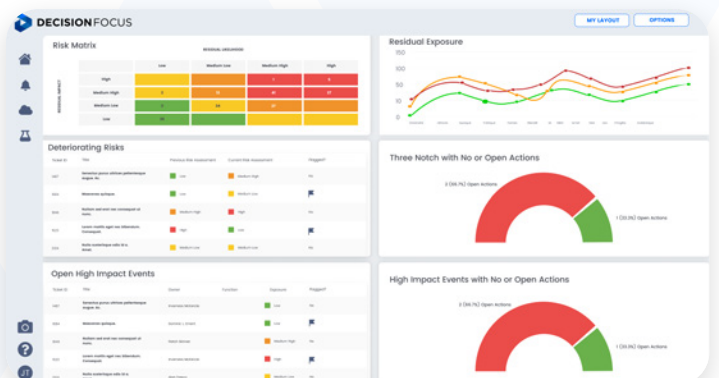
- Dashboards are built using widgets. Each widget, reference data from one view
- Dashboards are made available via the role of the member
- Dashboards are typically used as the first login screen to a workspace, including:
 - A welcome message
 - Your 'recent browsed, added, edited' records
 - Shortcuts to widely used addition of records, such as add an issue
 - A change log, or metrics
 - Search



- Download any dashboard as PDF
- Metric-driven monitoring of QA results
- Organizational heat maps
- Drill through capability from Dashboards

Record Based Dashboards

- Dashboards can be based on a record
- You can define a template dashboard – but let it display data based on geography, business unit, a person – anything
- The template will be the same for all, but you can create more than one template
- When new record is added, a dashboard for that record will immediately be enabled



Dashboards

A wide range of widgets to build your dashboard, all based on the HighChart library

1

Set up new widgets directly from dashboard or via design menu

2

Select widget style

3

Set view & Parameters

4

Publish

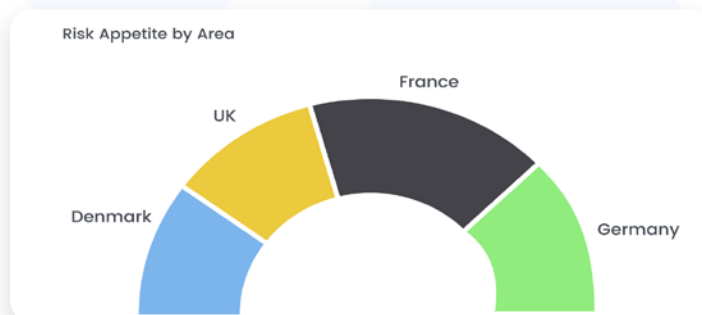


My Recent Activity

Recent Activity	Status
Underwriting Outside of appetite	Browsed
Review Currency Exposure	Browsed
AS3 OUTPLACEMENT	Edited
ALFA Quality MOVING	Browsed
Review Concentration Of Currency Exposures	Edited

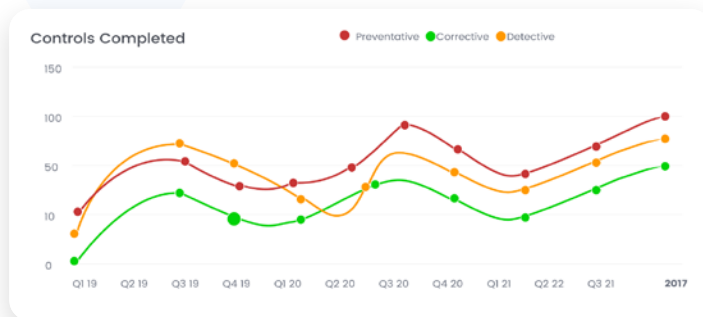
- Make it easy for end user to pick up where they left off
- Direct link to open the given record
- Highlight which records you recently added, edited – or even just browsed

Donuts



- Full Donuts
- Half donuts
- Based on individual choice or links
- Drill down to underlying data set

Trend Charts



- Based on any singular data set and any choice value
- Automatically adapts values based on changes to underlying configuration
- The trend charts do not allow clickthrough

Matrices

Risk Matrix

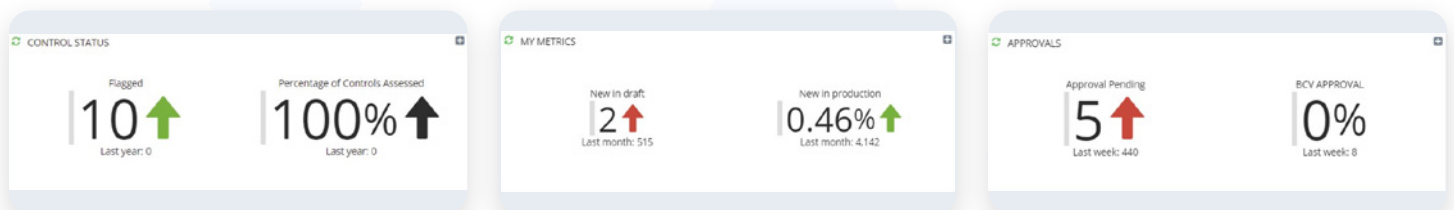
RESIDUAL LIKELIHOOD

	Low	Medium Low	Medium High	High
High			1	5
Medium High	2	12	41	27
Medium Low	3	34	27	
Low	25			

RESIDUAL IMPACT

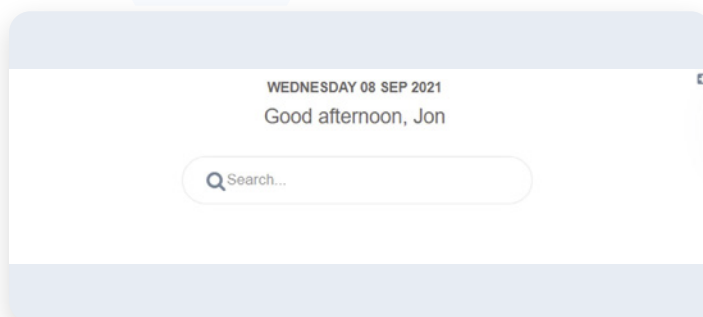
- Color-coded matrix
- Predefine coloring for cell structure
- Clickthrough

Metrics



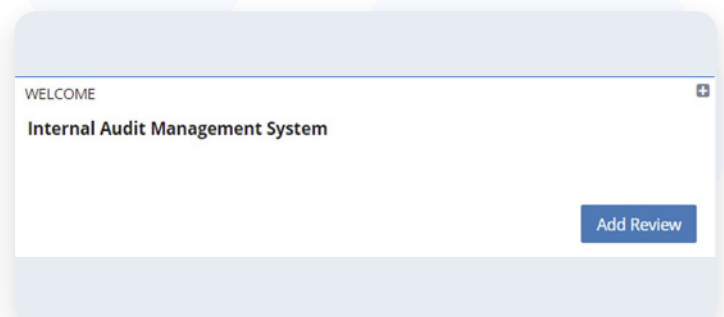
- Metrics to show status or development in key numbers
- Change in value over day, week, year and more
- Current Value, such as count today of open risks
- Relative – percentage current value, or change
- Set arrow indication color, directionality of improvement

Search



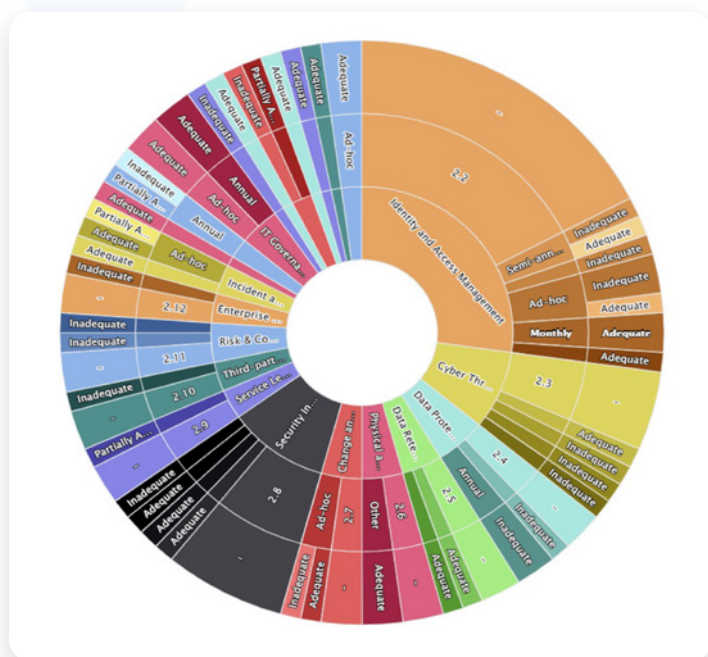
- Time and date combined with Global Search
- Enables search across any form based on role access

Shortcuts



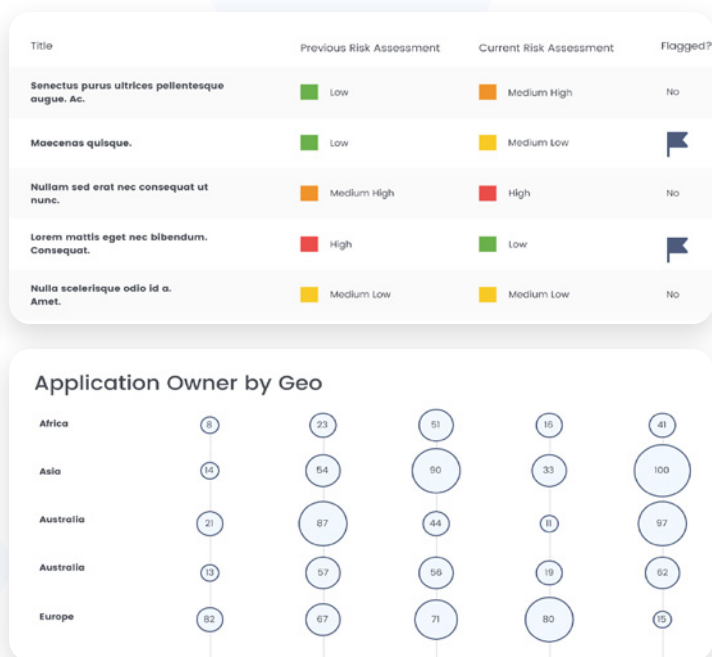
- Add buttons to create any record type directly from dashboard
- Typically used for role based creation of items such as Issues, Risks, Audit, Supplier, Tasks, Attestation

Sunburst Chart



- Up to 3 levels of data
- Click to zoom

Pivot Tables and Bubble Chart

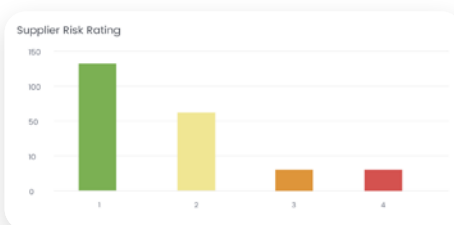


- Pivot tables with signal status icon
- Based directly on configuration of choice items and colors

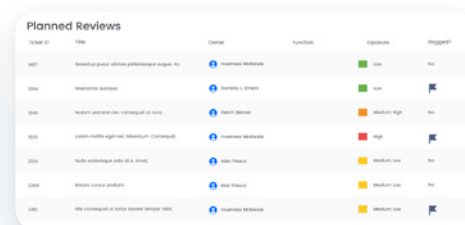
Other Dashboard widgets available include:



Heatmap



Bar charts with max indicators



Standard tables

Widgets Technology

We apply HighCharts for our charting needs.

Read more about the technology at:
www.highcharts.com/products/highcharts/

Demos here:
www.highcharts.com/demo



HIGHCHARTS

If you find charts you need, these can either be implemented using 'Field Reports' or you can submit a request to have them built-in to Decision Focus for native support.

Custom Reports

A wide range of widgets to build your dashboard, all based on the HighChart library

Key Features

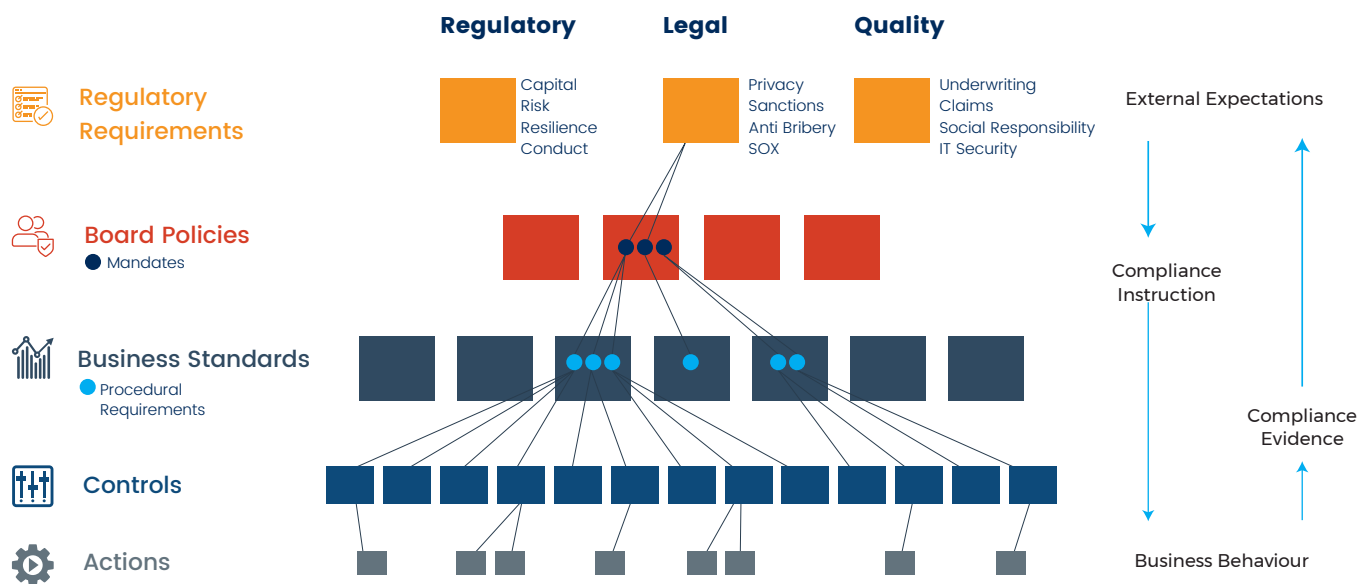
- Fully customizable layout, charts and functionality
- Click-through to see underlying data
- Report instantly updated when underlying data changes. Edit the report, and the underlying data will update. Report and data in perfect sync!
- Beyond standard data content, you can select additional one-off data items for inclusion, and augment data with commentary text
- Save to pdf and re-use of access control

Use Case

For reports that require a very specific layout or functionality not supported by dashboards or similar. For example:

- Compliance Report
- Quarterly Risk Committee Report for Chief Risk Officer
- SMCR report
- IT Security Incident Report
- Audit Reports – replacing all manually created reports with live reports in the system

Custom Reports can span any number of data layers



Example: Committee Ready Reporting

Situation before:

- Very manual and time consuming process
- Typically it took 20+ days to compile the report
- Error prone (manual, cut & paste)

After:

- Manual efforts eliminated
- Report creation in 30 seconds
- Fewer errors = better quality for the Board



Example: Custom Template Reporting

Situation before:

- Client was beholden to the supplier for any changes
- Only report is pre-formatted templates
- Costly and time consuming to add new reports

After:

- Use own Excel Templates
- Complete flexibility in report generation
- Self-service (no need for help from us)



Example: Custom Template Reporting

Situation before:

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Example: Custom Template Reporting

- Clicking a specific item in the report brings up details
- Edit rights based on role and workflow
- Any updates, directly reflected in the report within seconds

2. Risk Appetite Status

Appetite Metric	EW	Group	Germa
Capital			
Available capital > 10% margin over AmBert A: Capital	15	26	
Available capital > 10% margin over Capital Requirement	15		
Rating			
Annual EBITDA > 50% annual interest on group debt	55	53	
Annual EBITDA margin will be at least 20%	25	23	
Earnings Volatility			
ROE > 10% plus long term interest rate (currently 6%)	20	13	15
Liquidity			

ROE > 10% plus long term interest rate (...)

Title	ROE > 10% plus long term interest rate (currently 6%)
Metric Definition	ROE > 10% plus long term interest rate (currently 6%)
Subject Area	Earnings Volatility
Topic	-Not Set-
Type	Risk Appetite
Business Area	Group
Rationale	(No value selected)

Example: Audit Summary and Observations for Management

Summary of observations

We would like to thank the team for their co-operation throughout this audit. We identified a **strong awareness of Risk Management at a senior level**, however there is the need for the business to further embed its Risk Management approach wider within the business. We identified governance weaknesses which must be addressed through Board mandated policy and increased awareness across the group.

There are **material** parts of the business where the Risk Management framework has yet to be communicated. Management are aware and are working to address the issues raised by the audit.

Findings & Observations

1. No overarching Board Risk Management policy

Priority: High

There is currently no Board approved risk management policy in place, which sets out the Board's principles for managing risks within the business. We would expect the key risk appetites that the Board wishes to measure to be set out, which would be in line with industry standards and regulations. Management have produced a draft which they proposed to present to the Board for its review and approval.

Recommendations	Management response	Due Date	Owner
1. Draft Board Risk Management policy	We acknowledge the need for this policy. The principles that the corporation has in relation to management are documented, but not formally signed off by the Board, nor communicated to all staff. We agree the need to implement this.	2020-08-03	Jeff Robinson
2. Communicate policy to all staff once approved.	Once approved, we will communicate the policy to all staff via the intranet site. However, we do not feel this will wholly meet the requirement and will hold webinars available to all staff setting out the importance of the policy and ensure understood by the company.	2020-04-30	Jeff Robinson

2. Risk Management Framework to be embedded across all material parts of the business.

Priority: High

The audit identified that there were material parts of the group to which the Risk Management framework have not been applied. To ensure consistency, all material areas must be included to ensure key risks are communicated to management in a consistent manner.

Recommendations	Management response	Due Date	Owner
1. Roll out of the Risk Management framework to all regions to ensure that full awareness across the group.	Initial roll out of the Risk Management framework focused on the critical areas of the business. It is widely acknowledged that further roll out was required, but resources constrained full roll out. Management are now committed to this roll out.	2020-02-20	Søren Krautwald

Findings & Observations

3. Risk Register incomplete

Priority: Medium

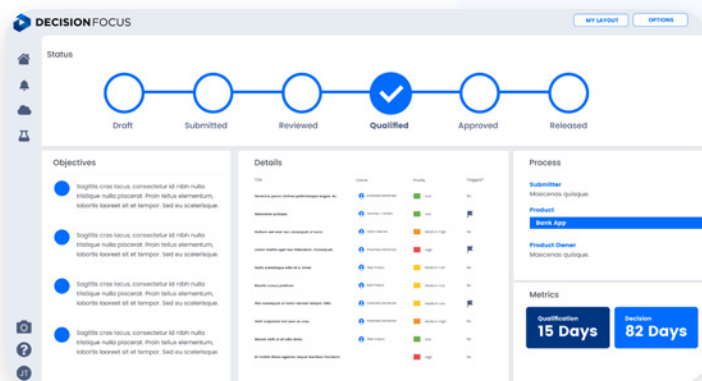
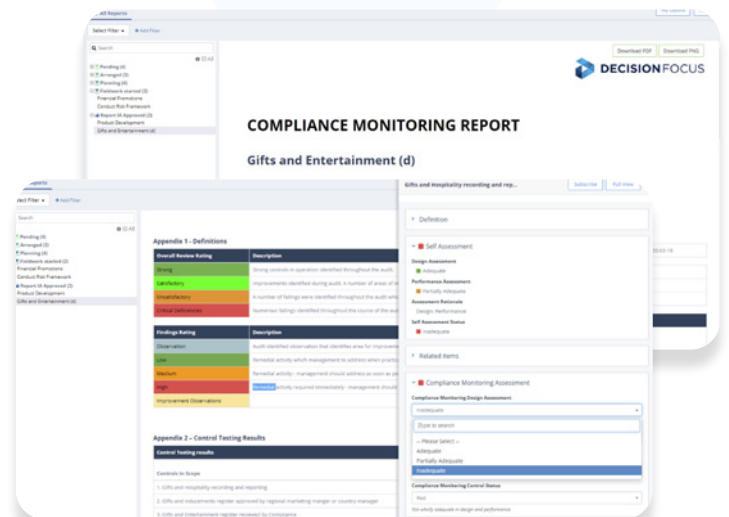
The risk register used only focuses on IT and financial risks and does not incorporate other operational vulnerabilities. Its granularity is too high and therefore is not able to be sufficiently embedded within the business.

Recommendations	Management response	Due Date	Owner
1. Risk Management team to review risk register for completeness	Completeness check will likely identify gaps in the register. Agree with recommendation.	2020-05-29	Sune Rasmussen
2. Risk register benchmarking with industry standard	We need to identify the relevant sectors and establish library of risks which are relevant. This will result in a gap analysis with the existing register.	2020-06-30	Jan Hörnfeldt

- Reports automatically produced once field work complete – no need for separate manually creation
- Gather all review findings, tests, MSA, survey – any data set. Then release to the business via tool generated reports
- Re-use already defined access rights in the tool
- No manual emailing or file sharing, access rights managed by role setup

Sample: Compliance Monitoring Report

- Compliance report by Business Unit
- Drill into the underlying data directly from report, and edit as allowed by your role and workflow status

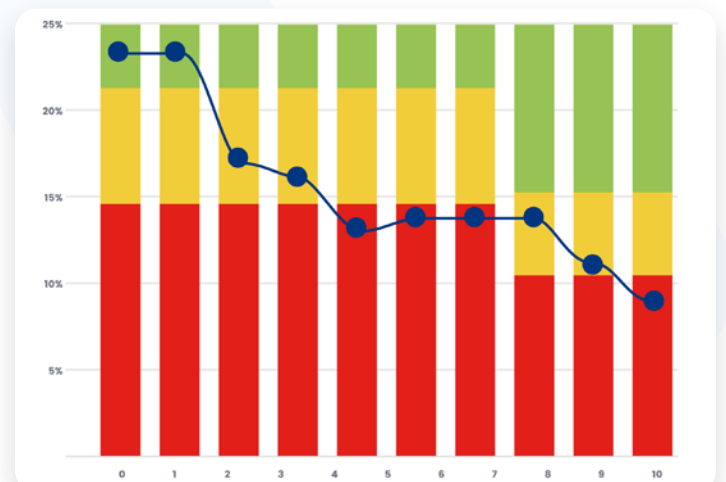


Sample: Investment One-Pager

- Report for Project Investment Evaluation
- Showing custom workflow as well as KPI's from the workflow in form of metrics to time spent for approval
- Used as one-pager, for management approval before processing funding.

Sample: Key Risk Indicator

- Key Risk Indicator
- Trending based on the built-in history log



Menu Display Options for Simple Reporting

The workspace designer has several data display options that can be enabled for the end users for different visualizations of data

Such display options, always work based on the same view, and therefore data set from one form only. All the display options can be filtered by end user. End users can do personalized, simpler reports such as Pivot tables, standard tables or similar, but not combine data sets like Dashboards.

Display Option: Boards

- The boards are dynamic, and this example show the current status of all items within a plan
- Via My Layout, the user may change columns, rows and sub-rows
- The records on the board, can be set to include a variety of fields such as the owner, status, tags and more
- Personalization means that the user will see their setup remain for next login

Business Standard	Spain	Germany	Luxemb.
M51: Underwriting Strategy & Planning	Inadequate		
M52: Underwriting & Controls	Adequate	Inadequate	
M53: Price and Rate Monitoring	Partially Adequate	Adequate	
M56: Exposure Management			
M57: Reinsurance Management and Control	Adequate		
M58: Reserving	Adequate		Partially
M51: Underwriting Strategy & Planning			






















	PENDING	CONDUCT RISK	FINANCIAL CRIME	INTERNAL MODEL	INVESTMENT	OUT
GROUP	<div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div>	<div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div>	<div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div>	<div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div>	<div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div>	<div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div>
UK	<div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div>	<div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div>	<div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div>	<div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div>	<div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div>	<div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div> <div>100%</div>

- Boards with 'timeline' as column
- Select any 'date field' as column, and set your preferred interval of the data such as month, quarter, year or other.
- Set different colors on headers
- Drag and drop of records, updates the underlying data field

Display Option: Nodes

- Advance display option
- Will show a hierarchy of data sets
- Allows colors to be set based on field value for status indication
- Typically used for policies, controls, risks drilldown.
- Node does not allow filtering as it goes across forms












Ticket ID	Title	Owner	Function	Exposure	Flagged?
1487	Serectus purus ultrices pellentesque augue. Ac.	 Inverness McKenzie	Group	 Low	No
1554	Maecenas quisque.	 Dominic L. Emmet	Denmark	 Low	
1545	Nulla sed erat nec consequat ut nunc.	 Fletcher Skinner	Denmark	 Medium High	No
1523	Lorem mattis eget nec bibendum. Consequat.	 Inverness McKenzie	Denmark	 High	
2124	Nulla scelerisque odio id a. Amet.	 Alan Fresco	UK	 Medium Low	No
2349	Mauris cursus pretium.	 Alan Fresco	Group	 Medium Low	No
2451	Nisi consequat ut tortor laoreet tempor nibh.	 Inverness McKenzie	Group	 Medium Low	
3483	Velit vulputate nisi sem ac orci.	 Inverness McKenzie	Group	 Medium High	No
3512	Mauris velit ut odio dolor.	 Alan Fresco	UK	 Low	No

Display Option: Table

- Table view
- Filter records
- Select columns to include
- Download as 'Snapshot' to pdf
- Export to excel

Display Option: **Pivots**

- A very powerful feature for analyzing data sets
- Select any field, including data and set date intervals for columns
- Use grouping inside the cell, count records or show titles
- Visualization can be done also as pie chart, donut and bar chart.
- Enable user to play with the options via “My Layout”

Business Standards Compliance							
		Not Assessed			Adequate		
(no value)		Preventative	21			Preventative	17
		Detective	13			Detective	13
		Corrective	13			Corrective	18
Denmark						Preventative	1
France						Preventative	12
						Corrective	4



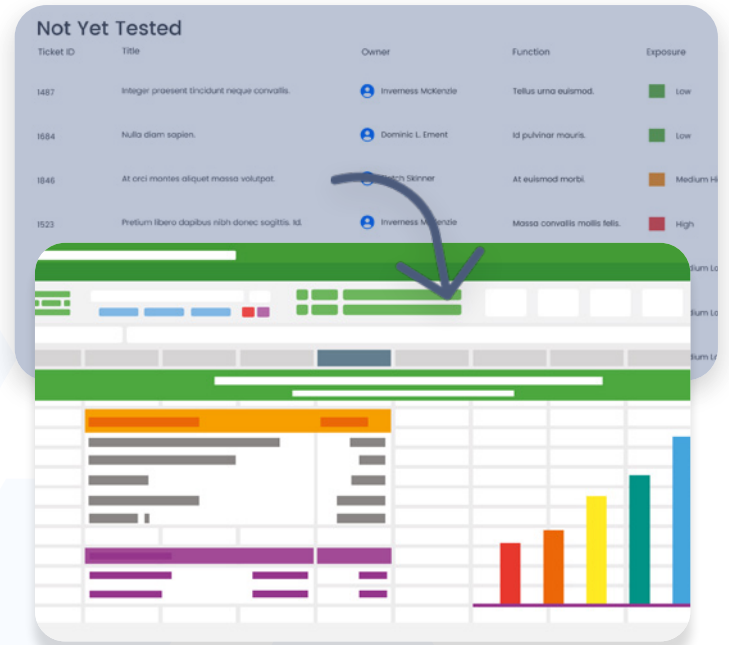
Display Option: Timeline

- Show audits, initiatives or any other record in a timeline view
- Set you colors based on any choice field
- Drag and drop to adjust timeline
- Select which two dates are used for start and end date and define hover text

Template Based Data Export

For detailed reporting demands with and demands that cannot be met by the platform, typically for smaller groups of users. No drill down or auto-update.

- Export your data from multiple forms into one excel, separated on different sheets
- Use a main sheet to reference data across sheets to combine any needed data
- As Excel runs on your computer, any macros, expressions and code can be included.
- Mostly used when native Dashboards are not sufficient, and custom reports not yet developed
- Combine data from risks, business units and metrics
- Save a template with logos, headings and more
- Run as often as needed and set access as private or public



Publisher

Publish all policies and standards company wide

Access to all your key documents, subscribe and be notified of new versions, with instant updates of any content.

Publisher fits in with approval workflow – as strict as you want it, with the ability to link your publications with risks, controls and other data kept in Decision Focus for reference and follow-up.

Typical information shared with Publisher

- Application Development and Management
- Business Continuity Planning
- Business Architecture Standards and Guidelines
- Data, Information Warehouse and Delivery
- Employee Survey Review
- Global IT Communications Standard
- Infrastructure Security
- Security and Continuity Standards



Where is the latest version of our Cyber Security Standard?



How do I know if there are changes?



Who do I need to approve a change to the policy I am working on?



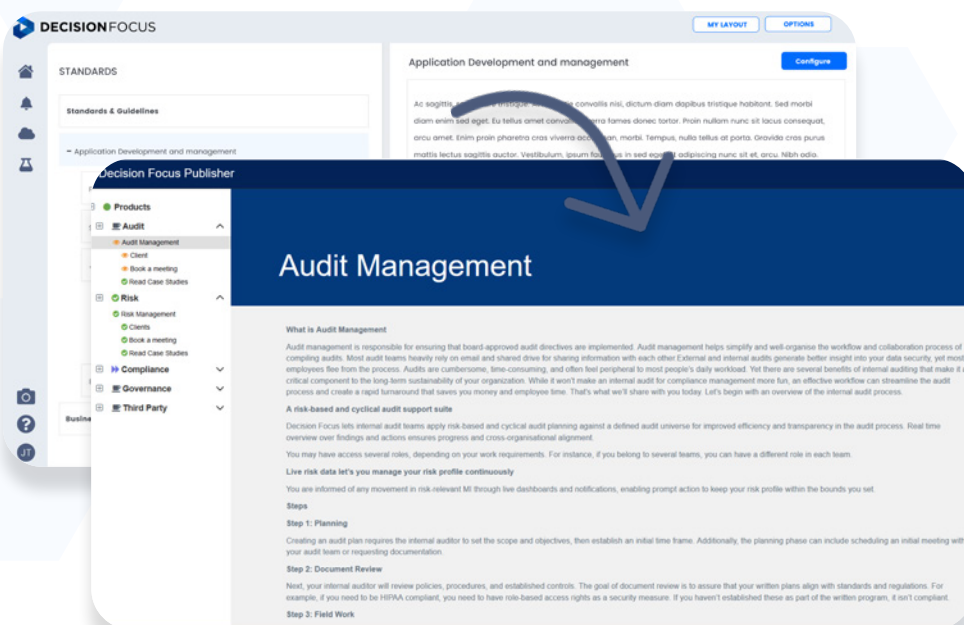
How many read our standards?



- One Click Publishing
- Automated Approval Reminders
- Single Sign On
- Version Tracking
- Subscribe to Changes
- Automated Depreciation Dates

Go Live in Seconds

Apply a standard layout, or apply your own corporate visual identity



What's next? It's your move...

For additional Information on any reporting option,
please contact your team at Decision focus

www.decisionfocus.com | info@decisionfocus.com