

Wave Update Version Overview

Release 2.12 to 2.23



Introduction



This document describes new functions in Wave Releases on an ongoing basis. Major changes are explained separately, smaller points and bug fixes in bullet points.

Non-critical bugs and new functions are rolled out with new Wave releases and may still need to be set up through configuration. If wished, please contact us via Ticket or feel free to ask us directly about the function.

Security Fixes and Critical bugs are only implemented inside the last three Wave versions, older versions are out of maintenance.

Release Planning 2025

Matrix

	2025											
	Q1			Q2			Q3			Q4		
	Jan	Feb	March	April	May	June	July	August	September	October	November	December
v2.19												
v2.20												
v2.21												
v2.22												
v2.23	Create Release											
v2.24			Create Release									
v2.25						Create Release						
Active Support	A release that is being actively supported. Reported bugs and security issues are fixed and regular point release are made.											
Last Quater	A release that is supported for critical security issues only. Release are only made on an as-needed basis.											
End of life	A release that is no longer supported. Customers of this release should upgrade as soon as possible, as they may be exposed to unpatched security vulnerabilities.											
In Testing	A release that is undergoing internal testing.											

Wave v2.23

Breaking Changes

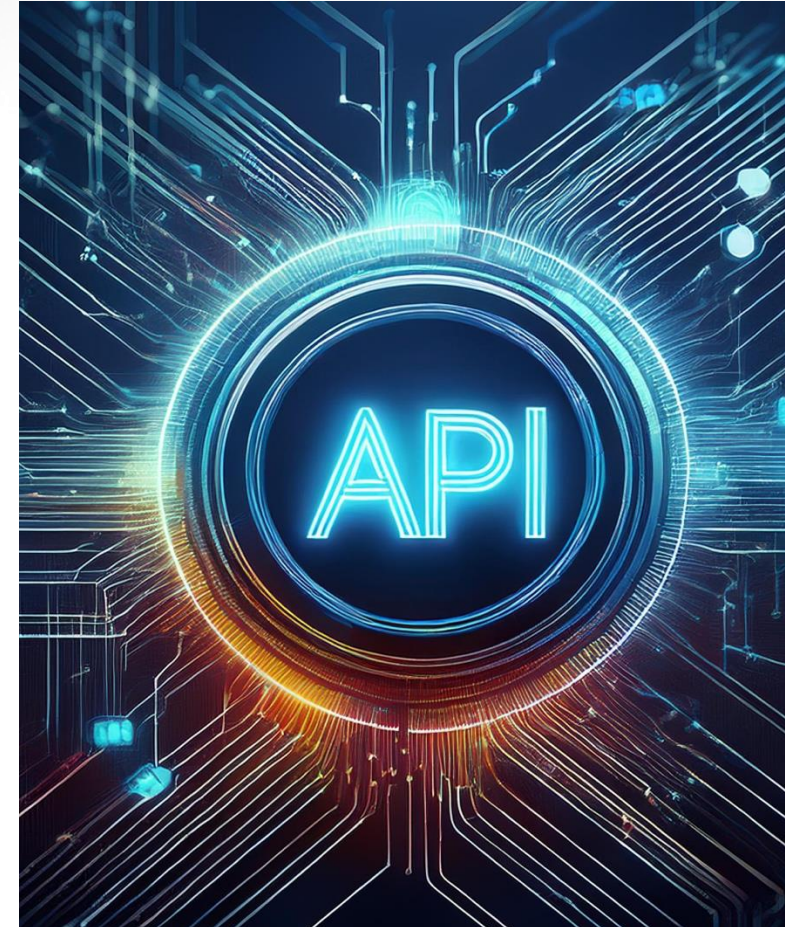
11053202 Webservices now use DB-Configuration

The configured REST API web services in Wave now also utilize the settings defined in the Database Configuration. These settings take precedence over values in the Configuration Files, overriding them where applicable. Therefore, when updating to this release, it is essential to thoroughly test the configured web services to ensure that no unintended configuration changes have occurred.

New Features

SP-11056128: Service runner API Webservice

There is now a new API service that can trigger WAVE Services from the outside, e. g. to clear cache or activate an integrate service.



Wave v2.23

New Features

SP-11051768: New auth method for rest api event actions: keycloak jwt

The RestAPI of WAVE supports now the Keycloak authentication method for higher security.



SP-11053199: Extended getjoblist API to support multi-field searches

It is now possible to include any number of search fields and values in the request of the API GET JOB LIST endpoint.

SP-11053298: Added mapping support for input values in the getjoblist API

WAVE can now also perform a mapping in the request for an API Get Job List request; previously this was only possible in the response.

New Features

- SP-11025460: Language variables can now also be used on the login and password changing pages
- SP-11056147: Inactivity redirect to mandator specific login page
- SP-11054478: Manual User anonymization in the user list
- SP-11054721: New option to add a condition to check the parent job in the fromparent event action

Bug Fixes

- SP-11055149: Fixed displaying jobids in the project subjobs list
- SP-11052703: Fixed issues with opening project sub jobs from archived projects
- SP-11054251: Fixed issues with missing language descriptions for stepchanges
- SP-11053202: Fixed that Wave Webservices are now using Config Settings from the Database Configuration

Wave v2.22

Breaking Changes

Update Job API User Rights

The update job api call is now checking if the user has the status edit rights available. If the user does not have those rights then the API will reply with a “403 Forbidden”



Technical user



New Features

SP-11053051: Exclude technical users from deactivation notification email service

It is now possible to detect Users which are marked as technical users in user management by the deactivation notification email service. So, these users will not be affected by the service anymore.

Wave v2.22

New Features

SP-11055063: Project Assign Service

This new service identifies single WAVE jobs which are not yet assigned to a project. Based on chosen metadata fields (one in WAVE single job and one in project layer, e. g. project name) it automatically assigns it to an existing project with the same metadata field. It can not be used with workflow hierarchies.



SP-11052642: Extend the Job Subscription tab to be able to display some configured job types only

It is now possible to use the subscription tab for more job types.



Bug Fixes

- SP-11041358: Fix javascript error on the apl2 tab
- SP-11053255: Allow email domains until up to 10 characters instead of only 2
- SP-11053128: Fixed php 500 error when deleting a language variable
- SP-11052649: Fixed downloading emails from the email log
- SP-11044274: Show Tasks for on the Dashboard now only filters the apl tasks, not the statuschange tasks
- SP-11047050: Remove nonprintable control characters in phrase tinyMce fields
- SP-11052593: Fixed link expiration on shopping cart download via email
- SP-11047713: Fixed issues with german special characters in uersnames in email notifications
- SP-11038758: Fixed sending empty emails to external approvers

Bug Fixes

- SP-11053297: Fixed that logicbuilder scripts can be deleted and this is logged into the configlog
- SP-11055151: Updated phpspreadsheet version
- SP-11035722: Fixes rights issues when access helptables in the user admin area
- SP-11054049: Added check in subscribed jobs area if a user is allowed to create jobs in a certain jobtype
- SP-11040772: Fixed checking status edit rights for updatejob api calls
- SP-11053728: Fixed that User Takeover session cannot be closed properly after changing the mandator
- SP-11053160: The configlog will now load already existing comments into the comment form

Wave v2.22.x – UPDATE 29.04.2025

Security Fixes

- SP-11055151: Updated phpspreadsheet version
- SP-11035722: Fixes rights issues when accessing helptables in the user admin area
- SP-11040772: Fixed checking status edit rights for update job API calls
- SP-11054049: Added check in subscribed jobs area if a user is allowed to create jobs in a certain job type

Wave v2.22.x – UPDATE 29.04.2025

Bug Fixes

- SP-11055847: Fixed issues with loading project data in integrate
- SP-11055981: Fixed issues with checking email address duplication while creating new users
- SP-11055620: Fixed issues with archiving projects through pro2arc
- SP-11047051: Fixed issues with inviting new external users from the user list
- SP-11055913: Fixed that job fields will not be copied anymore if the copy flag is not active
- SP-11055623: Updated database structure update with new logic for the improved project layer
- SP-11049328: Fixed issues with users having the same name and their dalim annotations
- SP-11055855: Fixed issues with the apl deadline date
- SP-11054921: Fixed issues with the date formats on the file list view
- SP-11056340: Added checks for mandatory tables and views in the health monitor

Wave v2.22.x – UPDATE 29.04.2025

Bug Fixes

- SP-11055989: Fixed not displayed Phrase Approval Button
- SP-11056246: Fixed issues with Single Line Edit
- SP-11054184: Numeration of the annotations on the dialog page are incorrect
- SP-11056726: Create correct APL Link in apl reminder service
- SP-11056005: Fixed issues with empty groups invited to approval loops

Wave v2.22.x – UPDATE 29.04.2025

New Features

- SP-11039128: Added confirmation message on drag&drop subjob reassign
- SP-11056236: Added missing user history entry when deactivating a user takeover from the user list

Wave v2.21

Breaking Changes

Project Layer Changes

If customer WAVE uses the project layer there will be an important change with big influence on the system which will need special attention from all sides. With 2.21 we will eliminate the PID and replace it by a normal WAVE ID. This change ensures that each project in Wave has a distinct and user-friendly numeric ID, clearly identifiable as a Wave ID. It also guarantees unique IDs across the entire system, preventing duplicate project IDs among multiple tenants.

To guarantee that existing projects still work after the update, a script will run on the database parallel to the update to v2.21. It will change all IDs and their connection to their items.

5FLOW will take care upfront of affected systems and analyse the current structures to avoid any problems during the update. In needed cases we will contact clients directly.



Wave v2.21

Breaking Changes



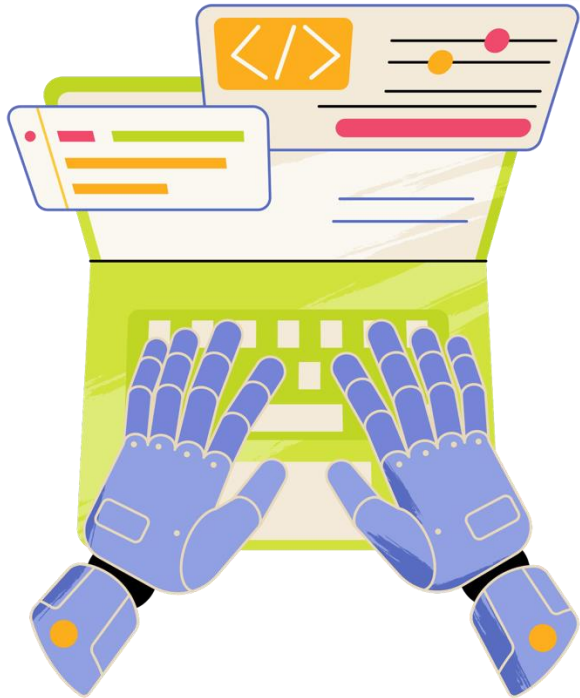
Ignore deleted helptable values when copying a job

When copying jobs, we expect the fields configured for copying to retain the same values in the new job. With this update, we are changing how we handle entries from helptable entries that were deleted. Previously, deleted helptable entries were still copied to the new job.

Going forward, these deleted entries will be ignored, leaving the corresponding job field empty in such cases.

Wave v2.21

New Features



Logicbuilder improvements

- Including of other scripts to reuse in there defined functions
- Added the ability to run Unit Tests and Benchmarks
- Added an option to store values for later calls
- Added the option the skip or exit a running loop (continue & break)
- Enhanced options for cache resource filtern, merging and projection
- Added the ability to check or uncheck checkbox fields

Bug Fixes

- SP-11050194: Fixed php deprecated notices
- SP-11052683: Fixed issues with checking or unchecking checkboxes with the logicbuilder
- SP-11031658: Added language variable for the "Please select a workflow" Error if there was no apl template selected
- SP-11046032: Added Terms of Service on sgk_black design password recovery page
- SP-11045369: Values from job field blocks can now accessed by the logicbuilder
- SP-11050759: Show error message if the tableau connection is not properly configured
- SP-11050003: Old Dashboard cannot be reached anymore if it is not activated
- SP-11052881: Deletion of a picklist now appears also in the configlog
- SP-11050611: Fixed that the OnHold flag can be exported properly in job list exports
- SP-11052983: Fix issues with logging changes on user data in hom-usr
- SP-11053377: Users need to have a right now to access related job on the files tab

Bug Fixes

- SP-11050194: Fixed php deprecated notices
- SP-11052983: Fix issues with logging changes on user data in hom-usr
- SP-11052485: Fix issues with rights for general files folders with special characters in their names
- SP-11048967: Fixed that deleted helptable values are not used anymore when copying jobs
- SP-11050810: Fixed that emails from cancelling a job are missing from the job history
- SP-11053706: Fix issues with changing helptable entries on systems which have sso enabled
- SP-11053741: Fix Deeplink function for DalimES6
- SP-11052536: Fix missing values in user deactivation emails
- SP-11053366: Fix sending email notification on deactivating a user takeover
- SP-11051625: Fixed copying projects
- SP-11048882: Fixed updating changed questions from question lists in existing jobs

Wave v2.20

New Features

SP-11043056 – Support User Takeover

This feature in Wave allows authorized users to take over another user's account to review platform behaviour. It is designed for User Support.

When initiating a takeover, support users can provide a message explaining the reason, enhancing communication and context. This transparency improves user experience and collaboration between support staff and users. Activating the takeover logs out the affected user and sends them an informative email.

The system logs the activity in job histories, user histories, and Support Team Member histories, making it easy to track takeovers.



New Features

- **SP-11049448: Composer Package License Overview in Wave**
 - In the Wave footer, you can now click on the new "Licenses" link to review the licenses of external composer packages currently used by Wave. This feature is important as it provides transparency and ensures compliance with software licensing agreements, allowing users to understand the legal and usage terms of the packages integrated into the platform.
- **SP-11045678: Added configuration option for the event service to only affect one Jobtype**
 - The event execution service now includes a new configuration option allowing you to specify which job types should be affected by the service. You can add src in the service options to limit the execution to a single job type. If this setting is not configured, the event will execute by default for all job types.

New Features

- **SP-11047735: Configuration Changelog**
 - Wave now features a new logging area that collects and displays all configuration changes across various sections, including Workflows, Events, Services, and more. Users with the appropriate permissions can access this section from the main options menu. To enhance clarity, log entries can be supplemented with comments explaining the reasons for the changes. Additionally, there is an option to download and export the changelog.

Bug Fixes

- SP-11038592: Fixing APL Checkboxes for multiple templates
- SP-11046579: Create Job Buttons in Subscriptions Tab now depend on the configured allowed child job types
- SP-11051956: Removed '5F-' from MFA verification code
- SP-11050235: Fixed resetting search parameters on changing selected columns
- SP-11052068: Only run reflectTraceFields when a valid jobid is available
- SP-11044840: Add Revisor PopUp is now wider
- SP-11014089: Project Event Service is now able to handle archiving events
- SP-11051457: Copy-to-Project Button is now available as soon a jobid is existing
- SP-11052279: Display job history entries without filtering for a specific job type
- SP-11050387: Better user log entries for the activation and deactivation of user backups

Bug Fixes

- SP-11039646: Fixed issues with jobs showing their history while archiving
- SP-11049756: Fixed displaying boolean values in the devtools config overview
- SP-11052481: Fixed issues with the config log
- SP-11052564: Fix opening the backupuser list
- SP-11040247: Fixed wrong history entries when using setjobvalue on specific job field types
- SP-11049145: Fixed issues with sorting on the files tab
- SP-11049667 / 11049666: Fixed issues with duplicated jobs in xls or csv exports
- SP-11050448: Fixed wrong special characters in group names

Wave v2.20.x – UPDATE 20.11.2024

Bug Fixes

- SP-11052656: Fixed loading user preferences when activating a user takeover
- SP-11051860: Properly set content-length header in our rest api
- SP-11052872: Fixed issues with missing jobs from the csv or excel exports
- SP-11052983: Fix issues with logging changes on user data in hom-usr
- SP-11044376: Mail and Syslog don't save searches anymore to improve performance
- SP-11052531: Fixed issues with missing fields in the add revisor dialog
- SP-11052296: Fixed issues with showing flags in the project sub lists
- SP-11053093: Added missing required fields to the system health monitoring
- SP-11052985: Fixed issue with the Update Database Schema
- SP-11053239: Fixed issues with deleting certain files in general files

Wave v2.20.x – UPDATE 20.11.2024

Bug Fixes

- SP-11049781: Fixed issues with wrong invited users in apls
- SP-11053706: Fix issues with changing helptable entries on systems which have sso enabled
- SP-11053845: Reverted changes from 11049781
- SP-11053895: Reverted changes from 11052426
- SP-11053741: Fix Deeplink function for DalimES6
- SP-11053932: Added checks for mandator ID on accessing the files table

New Features

- **SP-11023147: Emails from the apl reminder service will be added to the job histories**
 - With this extension it is now possible to configure the apl reminder service in a way that generated reminder emails are also added to the related job's history. There is a new configuration variable `reminder.mail.job.his` which is enabled by default, If this behavior is not intended it can be deactivated by setting it to false.
- **SP-11048526: New file extension: xlsb**
 - With this change, it is now possible to configure that 'xlsb' files can be uploaded in Wave.
- **SP-11032183: Group list Excel export function**
 - Users with the reading right for `gru-exp` will have a new option which can download the list of existing groups and their information as Excel export. The export will include all groups from the current mandator or mand 0 which are currently not disabled.

New Features

- **SP-11041269: System Health Monitor**
 - With this new feature, a configurator can see basic information about the health of the current configuration of Wave. If a user has the reading level right for sys-health there will be a new main menu option in the options area. When the list gets displayed, Wave will review certain topics in the background and highlight those which can lead to issues. For example, empty language variables, duplicated jobfields, the amount of action queue entries or the existence of mandatory job fields. These are just some examples and the amount of reviewed settings can grow in the future by every release.

Bug Fixes

- SP-11046034: Show file category immediately without a manual reload needed
- SP-11047036: Display translated version of Nutri Category values
- SP-11048882: Fixed issues with updating questions
- SP-11045114: Better History entries for changes on job field block fields
- SP-11034898: Fixing invite external users to an apl with Add Revisor
- SP-11044217: Changing a flag will also update the flag in the connected sub job
- SP-11045331: "Check Fields" action for job fields now requires the insert or edit right for job fields
- SP-11048295: Show correct webstatus of job in project sub list
- SP-11050425: Better display of boolean configuration values in the devtools config overview
- SP-11050411: Services now also use db wave settings

Bug Fixes

- SP-11048423: Fixing issues with the Multi Job Edit Button which was not available after filtering
- SP-11045486: Fixing that the edit right is needed for editing events and event actions
- SP-11048056: Fixed the creation of duplicated master content

Performance improvments

- SP-11049626: Removed Order by from alusrpref cache creation to improve performance

Wave v2.18

New Features



SP-11046338 – Upgrade to MFA Function

With v2.17 we introduced the possibility of Multi Factor Authentication.

In 2.18 it will be possible to configure how many bad attempts are possible before a token-link gets invalid. There is now a counter which counts how many times the link is being used in a wrong location, like wrong Computer or wrong Browser, and if it reaches the configured amount the link will be deactivated. The default value for this is 3.

Wave v2.18

New Features

SP-11048682 - Logicbuilder access for CloudfLOW file information

With this release it is now possible to access cloudfLOW file information which are available in a job. If you know the src and the jobid in the Logicbuilder Script you can get all files which have a certain Filecategory from the CloudfLOW folder. For each of those files you can then access several information like the fileid.



Bug Fixes

- SP-11045919: Fixed issues with the task overview of SPC Jobs related to MAS Jobs.
- SP-11045843: Fixed issues with the list view of Wave Settings.
- SP-11047325: Fixed issues regarding bad emails when using the backup function while approval loops.
- SP-11044717: Fixed issues with missing emails when there was no template in the user's language
- SP-11048339: Fixed redirect to the new dashboard after changing the profile picture.
- SP-11043045: Fixed checking of edit rights when changing user rights.
- SP-11048079: Fixed workflow events export.
- SP-11048477: Fixed toggle button width (design) in phrase.
- SP-11044897: Fixed issues with the search function in picker selections.
- SP-11048847: Fixed issues with special characters in emails generated for on hold or cancelled jobs.

Bug Fixes

- SP-11044778: Fixed dalim language issue when using compare files in Chinese
- SP-11048292: Fixed issues with displayed html code in tooltips.
- SP-11027123: Fixed issues finding the correct user when entering the email address into the receiver field
- SP-11045870: Phrase accepts N/A as valid entry for Nutri Tables
- SP-11046647: Chili Urls has been renamed to automate

Wave v2.18

New Features

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Important Changes

- **Proofscope Viewer gets user's name and email separately**
 - Originally Proofscope displayed names and mail addresses together in commentaries. We changed this logic so that Proofscope only shows names, mails stay in background.
 - If wished Proofscope can be configured like before on request
- **New rights for system log and mail log**
 - Originally there was only one right “log” to see Mails in History tab, General Mail log and General System log. The last two ones are usually disabled for users by another right. But since some Customers need access to General Mail log but are not allowed to access General System Log this had to be divided.
 - Therefore, the right “log” was replaced by "mail-log" (Mail in History Tab and General Mail log) and "sys-log" (General System log). This means that after the update it needs to be checked and configured who should have access to those two areas in wave.
- **PHP 8 Compatibility**
 - We updated Wave to the latest release of PHP8 to provide our customers the best standard in safety and functionality.

Wave v2.17

New Features



Single Line Edit

With the new single line edit feature it is possible to edit a job directly from the job list. There is a new right for this in the configuration it can be defined which fields are available in there.

When a user selects one line in the job list the single line edit form can be opened. There will be a popup which is similar to the Multi Edit Job Form, but the selected job data will be displayed in there and can be changed directly.

Cascading Fields will be excluded from this feature since the cascading is not available in here. User Rights will be checked as usual. Like Multi Job Edit there is a new Main menu option where the Admins can configure the order of the fields in the Single Line Edit form.

+ Create Design Options CSV export XLS export Sort by Single job edit

Filter Status 1 2 3 4 5 6 Flags Filter

Search Search

	Job No.	APL	Last Statuschange	Brand
<input checked="" type="checkbox"/>	1. 503875057	Sea	16.05.2022 11:29:34	
<input type="checkbox"/>	2. 504417325		08.06.2023 16:24:23	
<input type="checkbox"/>	3. 502332112		07.10.2022 09:15:42	
<input type="checkbox"/>	4. 503147014		03.05.2022 16:17:51	
<input type="checkbox"/>	5. 503147141		21.04.2022 12:37:52	
<input type="checkbox"/>	6. 503147733		23.05.2023 11:29:54	

Single job edit - Job ID: 503875057

Brand

Cutter Guide Number ETI360

WAVE SKU test

Description

Fields left blank will not be updated.
Only pre-configured fields will be shown here.

Ok Cancel

Wave v2.17

New Features



MFA – Multi Factor Authentication

With 2.17 Wave will have integrated the possibility to use optional for groups an MFA. First factor is still name and password, the second one is an E-Mail which contains a token for the user

This new feature improves our high standard in Security but is still flexible to use it only for Groups where customer really needs it.

Wave v2.17

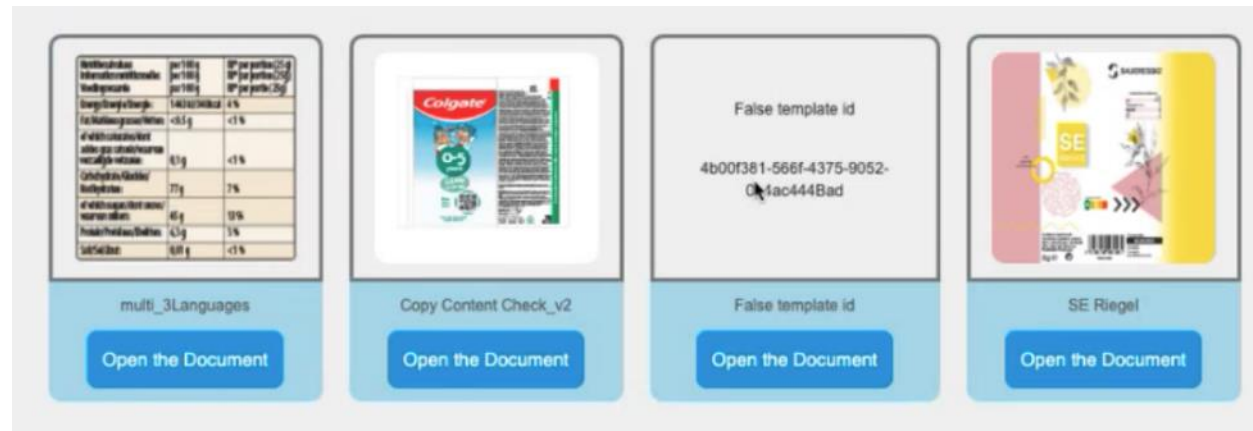
New Features

New Automate feature (copy-fit)

We extended our Automate Module which is based on Chili technology. The new feature allows end user to use a pre-defined artwork template. The artwork template itself needs to be created by an agency (e. g. SGK), not provided by 5Flow but we can connect with template building agencies.

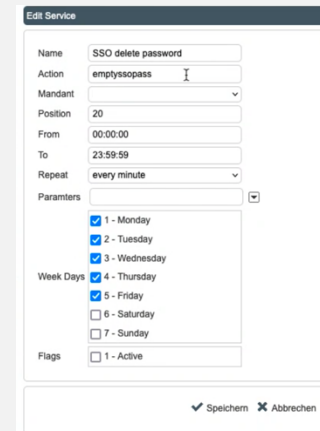
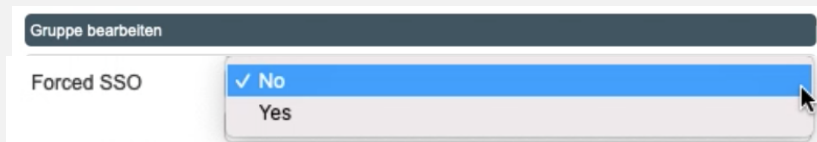
The use case is various based on customer needs. As a case it's possible to check if your pack copy content - provided in a predefined Excel file - fits on your package size. You are also able to generate

With the new integration it is possible to open chili projects from the main menu in Wave without a connected Wave job needed.




New Features

- **Multiple jobs edit in the list of project items**
 - It is now possible to use Multi Job Edit also inside the project layer directly, not only in job lists.
- **New Service to remove password for users who should be forced to use sso**
 - In Groups you can now define if users should be forced so login via SSO. A service that runs every minute deletes passwords of concerned users, so that it's not possible anymore to login via Password.



New Features

- **New Icon for custom Tabs in Wave**
 - There is a new drop icon available for customer specific tabs. 
- **Conditions can have up to 100 items**
 - The APL conditions form has been extended to allow up to 100 entries.
- **New option in devtools to update multiple language variables at once**
- **Update File List View: Project Files**
 - Now possible to search for files which are saved in projects, in v2.16 it was only possible to search for files in Wave IDs.
- **New Dashboard configuration options**
 - With v2.17 it will be possible activate or deactivate Dashboard / Welcome Page separately as config variable

Bug Fixes

- **Firstnames, Lastnames or birth years are not allowed in the password**
 - There was a problem with not allowed terms for passwords. If forbidden terms like Lastnames were used it was counted as failed login attempt. This is now fixed.
- **Send new username sends now the correct username when it was changed**
 - In the function „Send new Username“ there was a bug which caused that old names (instead of new ones) were sent out via mail; this has been fixed now.
- **Sorting of file upload categories alphabetical**
 - File categories are now in correct alphabetical order.
- **File category is not immediately displayed during upload**
 - After the first upload of a file in File Tab section the File Category was missing, user had to refresh to show it again. This is now fixed and comes automatically after upload.

Bug Fixes

- **Fix issues with closing flags which have been activated multiple times**
 - Some customers had problems with flags which have been opened and closed multiple times, this has been fixed now.
- **Wrong mouseover ins job history for status changes**
 - Some customers had problems with wrong mouseover popups in the history tap for status changes, this has been fixed now.
- **Remove Jobfields from joblists if a read right has been added**
 - Some Customers had problems when taking away edit and read rights from a field in the "search result colums" , the entry was still visible in the job list bar but not in the search results columns. Jobfields will now be removed from the columns, if a user is missing the needed right.

Bug Fixes

- **Check delete right, instead of insert right, to be able to delete global views**
 - Some Customers had problems that wrong persons without the correct rights where able to delete Global Views, this has been fixed now.
- **Create JobField Button now depends on the insert right**
 - For safety reasons some internal rights have been optimized.
- **Display JobFlags in archived jobs**
 - Some customers had problems with archived jobs which had been cancelled before. The Cancelled flag disappeared once the job is moved to Archive. This has been fixed now.
- **Better display of workflow icons in subscribed jobs tab**
 - Display optimization in subscribed jobs tab.
- **Fix errors while validating email addresses in WAVE**
 - Some Customers had a copy / paste error which has been fixed now.

Bug Fixes

- **Show info icon with descriptions also for bigint fields**
 - Some Customers had problems with updating the description of BigInt types fields (i-Buttons), this has been fixed now.
- **Fix redirect errors on the dashboard**
 - There was a clean-up of some errors in syslog.
- **Fix icon sizes for sgk-black design**
 - Fix of a broken icon in HubX menu bar
- **Jobfield aliases are checked if they already exist in the current mandator, duplicates will be blocked**
 - Duplicates are now blocked with error message.
- **Sending correct usernames also after updating them**
 - Some Customers had a problem when sending a new password to a user which generated the email with the value for username identical to the password. This problem has now been fixed.

Bug Fixes

- **Show project files also properly for archived jobs**
 - Some Customers had a problem that files in projects have not been shown in archive. This has been fixed now.
- **Better error reporting in multi-jobs-edit from logicbuilder validation**
- **Configurable Event when adding new countries to an apl**
 - Some Customers had problems with timings when adding new groups to an APL. This is now fixed by a configurable event.
- **No Content Needed should not fill two fields in Nutri Score**
 - When filling the Nutriscore table in Phrase it is possible to leave fields open which leads to an automatic filling with „No Content Needed“. For certain fields this can be a problem since they are essential for calculation. This has now been fixed, they are not filled automatically anymore.

Bug Fixes

- **Fixed issues in picker search with special characters**
 - Some Customers had problems with Picker fields, sometimes if users have chosen several values and then used the search function the original values got emptied. This is now fixed.
- **Reactivation of groups**
 - In v2.16 there was a problem with the re-activation (after a deactivation) of groups. This led to an error message and the group could not be reactivated. This is now fixed.
- **Reduced PHP warnings regarding unknown jobfield aliases**
- **For inserting new flags users now need the corresponding insert right**
 - Key Users with the reading right for flags were also able to create new ones. This is now changed by a new right, so it can be separated.
- **Remove g from fields which have “gewicht” as alias**
 - Some Customers have “gewicht” as an alias, this led to a problem that added a “g” in the keyword. This has now been fixed.

Security Fixes

- Hide prototype js version
- SQL Injections - hom-wel.std
- XSS in Translation Tooltip
- Broken Access Control: Gru
- Hide sensitive variables in cor-config configuration interface
- New Password storage algorithm
- Broken Access Control - job-fil.filelinkuploadreg
- Cross-Site Scripting - job-fil.filelinkupload
- Fixed access control issues when deleting files in the job's documents folder
- Added toastr files to wave-core

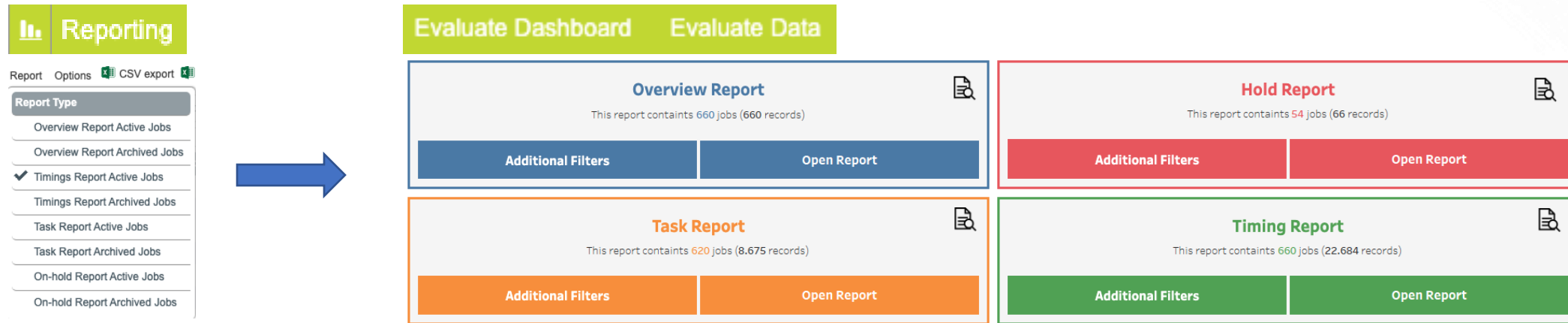
Security Fixes

- Access to sensitive Data: GruMem for Cascading Selections
- Broken Access Control - job-apl-page.addapluser
- Password Reset Token Reuse
- Broken Access Control tmp folder

Wave v2.16

Important Changes

With Wave 2.16 the old reporting feature is not available anymore. Reports are only available with Evaluate Products which can also be implemented directly into Wave Systems



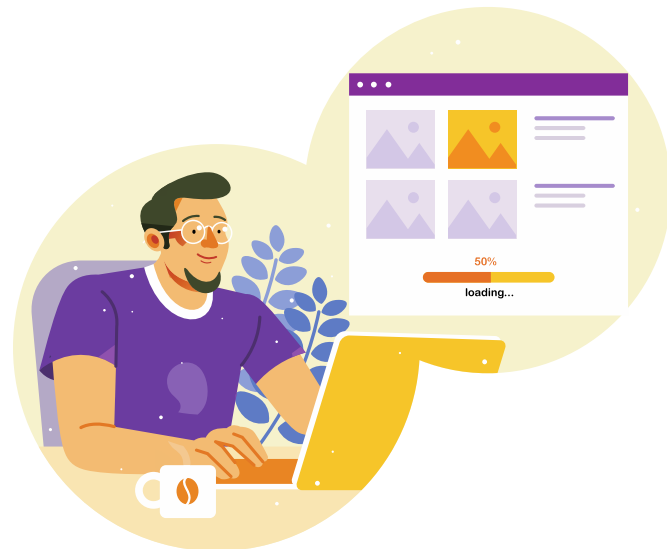
Wave v2.16

New Features

Optimized Filelist View and Download

WAVE		File List Category	File Name for File List	File Version
Keyword		doc	Keyword	
<input type="checkbox"/> 1.	12345678	doc	Testdatei.jpg	1

- It is now possible to Search for Uploaded Files directly with an expanded Search function
 - Direct search for file names
 - Search for Wave Jobs with result of file names for each Wave ID
 - Direct downloads of single files for Documents and Dalim / Proofscape PDF
 - Mass download via Shopping Card functions for Documents
 - Only available for files in Wave IDs, not for Project Layer shared Items



<input checked="" type="checkbox"/> 1.	
<input checked="" type="checkbox"/> 2.	
<input checked="" type="checkbox"/> 3.	

New Features

- **Show error message when trying to upload a file which is bigger than the max upload size**
 - Automatically activated with 2.16
 - Before Upload would just break without warning and file could be missing without notice
- **Configurable Time zone for every single Mandator**
- **Browser Tab Name for Chili Product can be configured**
- **More options to configure data security files on the login page**
 - Files like Privacy Policy or Terms and Conditions can now be downloaded before logging into the system
- **Disable password login for SSO Users**
 - Configurable on Group Level
 - Users of such group have no option to login normally anymore, they have to use SSO

New Features

- **Phrase cleanup Service**
 - Possibility to remove double or unwanted content
- **Archived Jobs can be deleted**
 - Right must be activated if needed
- **New User Deactivation Information Service**
 - Wave can now notify users about their upcoming deletion of their accounts (new Service)
- **Filter Reset when user changes search and display columns**

Bug Fixes

- Improved performance on job archiving
- Some Customers had problems in APL Templates (disappearing persons) when using Add Revisor, this is now fixed
- Some Customers had a problem with date fields in the System Message function, this is now fixed
- Filter Options Active / Archived in Project Sub lists have been improved / fixed
- Reuse of deleted picklist domains
 - It is now possible to use the code name of original deleted picklists again, before this gave out an error message
- Properly handle email addresses in the email notification form
 - It was possible to get an error message copied into the e-mail address field if you tried to enter a non valid e-mail address and klick on the not valid message, this is now fixed
- Some Customers had a problem with the connection of certain help tables to a picklist, this is now fixed

Bug Fixes

- Phrase Content Dashboard, fixes regarding archiving content
- Some Customers had a problem with the Link inside Mails which have been created in a running APL when function Add External Users is used, this is now fixed and the links work properly
- Some Customers had problems with comparison features in Proofscape, this is now fixed

Security Fixes

- Broken Access Control on stepchanges
- Removed createclass from devtools
- Removed SVN functionality
- Unvalidated redirect on the caching service
- User Enumeration on password recover

New Features

- Further important security fixes concerning Wave Code and Dalim PDF viewer
- Alias read-only in job field configuration – In already existing job fields it is no longer to change the alias to avoid problems with configuration and database
- Improvement of rights for help tables
- New icon in the job history for additional actions
- In the list of checklists there is a new column which shows which groups have this checklist activated
- Users will be logged out from the system when the account has been deactivated
- Project history will also be updated when a job is assigned
- Improved view on Dashboard concerning long text descriptions
- Logging all logins which are done with the Master Password to the users history

Bug Fixes

- Conditions in the group form are now sorted alphabetically by name
- PreFiltering of cascaded user selection fields fixed for some cases it made problems
- Dashboard filter function improvements (e. g. APL not shown as task in some cases)
- Fixed the issue of automatic filled fields with wrong datetime (Specific Customer System)
- Fixing issues with inviting external users with the add revisor dialog on the stepchange site (Specific Customer System)
- Possibility to hide certain tabs like Subscription by config
- Fix issues with external user registrations (Specific Customer System)
- Security fix: Broken Access Control
- Security fix: Unfiltered Error Message

New Features

- Improvement API
 - Use patterns to allow special characters in get job list api
 - New event configurable in the critical path whenever a file has been registered with the file registration api
- Better message when MultiJobCreation has been finished with all jobs
- Dalim thumbnails can now be refreshed from all pages with the job header available

Bug Fixes

- Properly updating the recent job information when reusing a job from Archive
- Get correct search results when searching for multiple values separated by comma
- Searching for images in an image Picker is now possible
- Enhanced updating of sub jobs when changing connected project values
- Block sending next position's email when auto step change closes the apl
- Add history entry when reuse and auto archiving jobs
- Show Project Tasks also on the Dashboard

New Features

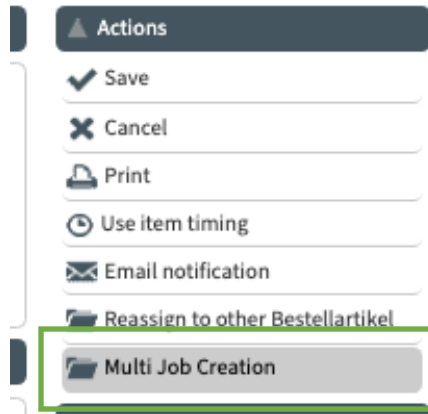
- Further important security fixes concerning Wave Code and Dalim PDF viewer
- It is now possible to use two different mail templates for sending the password and username
- It is now possible to set up tooltips on the homepage (e.g. to explain substitutions)
- Performance improvements on the job form, Global Search and Projects
- Add Revisor Function improvement. In order to prevent users to invite by accident a whole group to an APL we can set an option in the configuration to add a blank option as first option in the dropdown.
- Improvement Integrate: Ability to use repeating fields in field mappings
- New folder type which is connected to CloudfLOW
- Improved filter for active and archived jobs in a projects job list
- New configuration for the Chili Environment – Can be used to define which environment will be used for the active mandator

Bug Fixes

- Remove Quotes when pasting Text into richtext fields
- Improvements on Lines per page
- Sending e-mails from archive
- Lists in add revisor should be in alphabetical order
- Better handling of connection issues to Tableau
- Better handling and debugging of Proofscope preview images
- fixed file categories for Cloudfow files
- Fix of problem with Date Fields in dd/mm/y Format in different languages
- Fixed apl deadline calculation, when rewrite.ddl.timig is not active, the deadline field should not be updated
- Invisible fields will not show as a mandatory field if it is already filled
- Problem with some mails sending to backup user fixed

Wave v2.12

New Features



Multi Job Creation

With this function it is possible to create several jobs automatically from one workflow in another. In a project you can have several child jobs related to one parent job. If so you can use this function to create the child jobs automatically by pressing a button, as a base you select a condition for that.

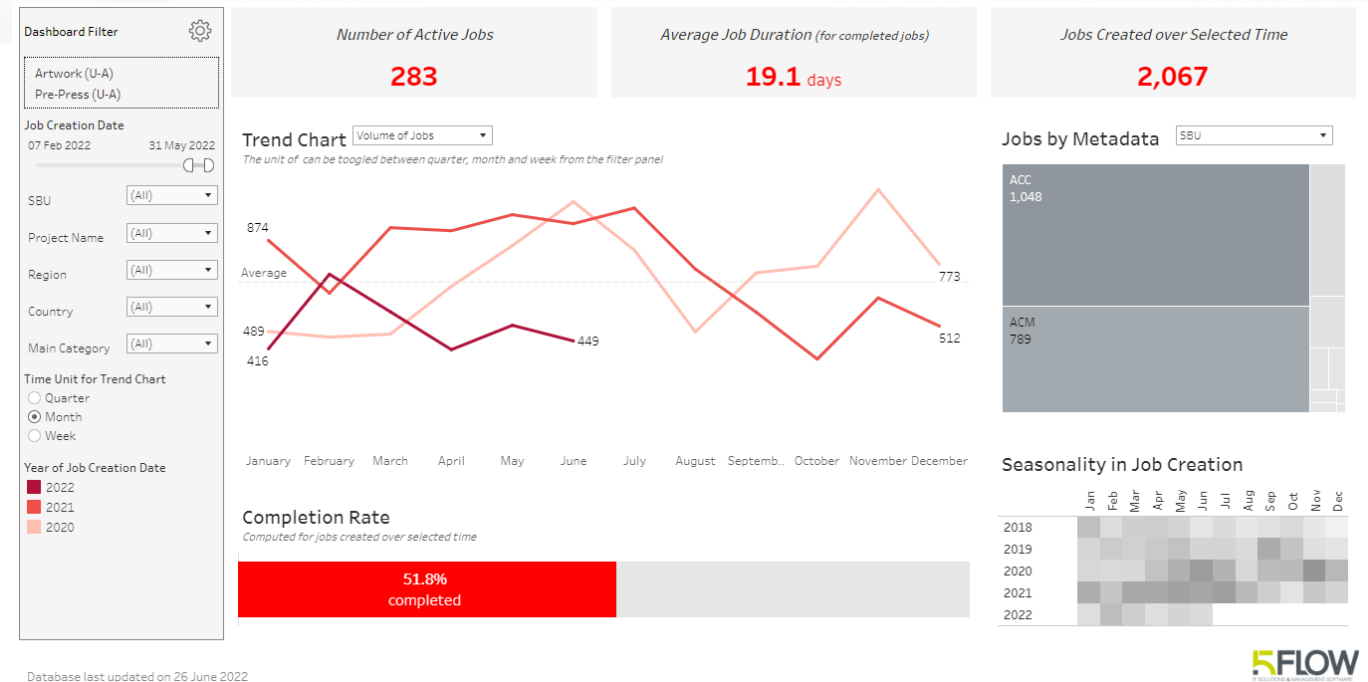
An example: You have a parent job for a Master Design and adapt 4 Language Versions out of it. Wave knows the field for languages and splits this field into 4 and creates the 4 Jobs with all informations and attaches it to the Design Workflow.

Wave v2.12

New Features

Direct Integration Evaluate Dashboards

This feature connects a Wave instance directly to Tableau so that Tableau dashboards and views created with 5Flow can be displayed in the Wave Portal. The wave user management can be used to limit the access.



Until Wave 2.12

New Features

New optional Invite Logic

With the new (optional) invitation logic, it is still possible to invite groups. However, tasks are now assigned to a specific person in the group. You select your group on the dashboard via dropdown and can thus see all tasks of this group. Now you can choose whether all tasks of this group or only your own tasks are displayed.

This group is managed by the client with its own group email. It is now possible for either a team leader to assign the task or for a person in the team to assign the task themselves. These possibilities are bound to the rights of the users.

The big advantage is coordinated work in teams and a significantly reduced data volume for the system.

Dashboard

The screenshot shows the 5Flow Dashboard interface. At the top, there's a header with 'My Backup User' and 'User I Backup'. Below that, there are tabs for 'Options', 'Sort by', 'View My Tasks', 'View All Tasks', and 'None'. A search bar is present. A dropdown menu for 'My APL groups' is open, showing 'Assign to me' and 'Assign to s.o.'. A red arrow points from 'Assign to s.o.' to a modal window titled 'Add Revisor'. The modal contains a 'User Selection' list with names: Admin, 5Flow, Dixon, Robin, Waite, Rick, Press, Robert, Haworth, Dave. Below the modal, there are three sections: 'Approval Tasks', 'Flag Tasks', and 'Status Tasks'. Each section has a table with columns for 'Late', 'Due', and 'Pending'. The 'Approval Tasks' table shows 19 Late, 0 Due, and 0 Pending. The 'Flag Tasks' table shows 0 Late, 0 Due, and 0 Pending. The 'Status Tasks' table shows 3 Status, 3 Status 3, and 1 Status 8. Below these tables is a main table with columns: Preview, Wave ID, Service Order ID, Keyword, Flags, APL, and Status. The table contains 10 rows of task data.

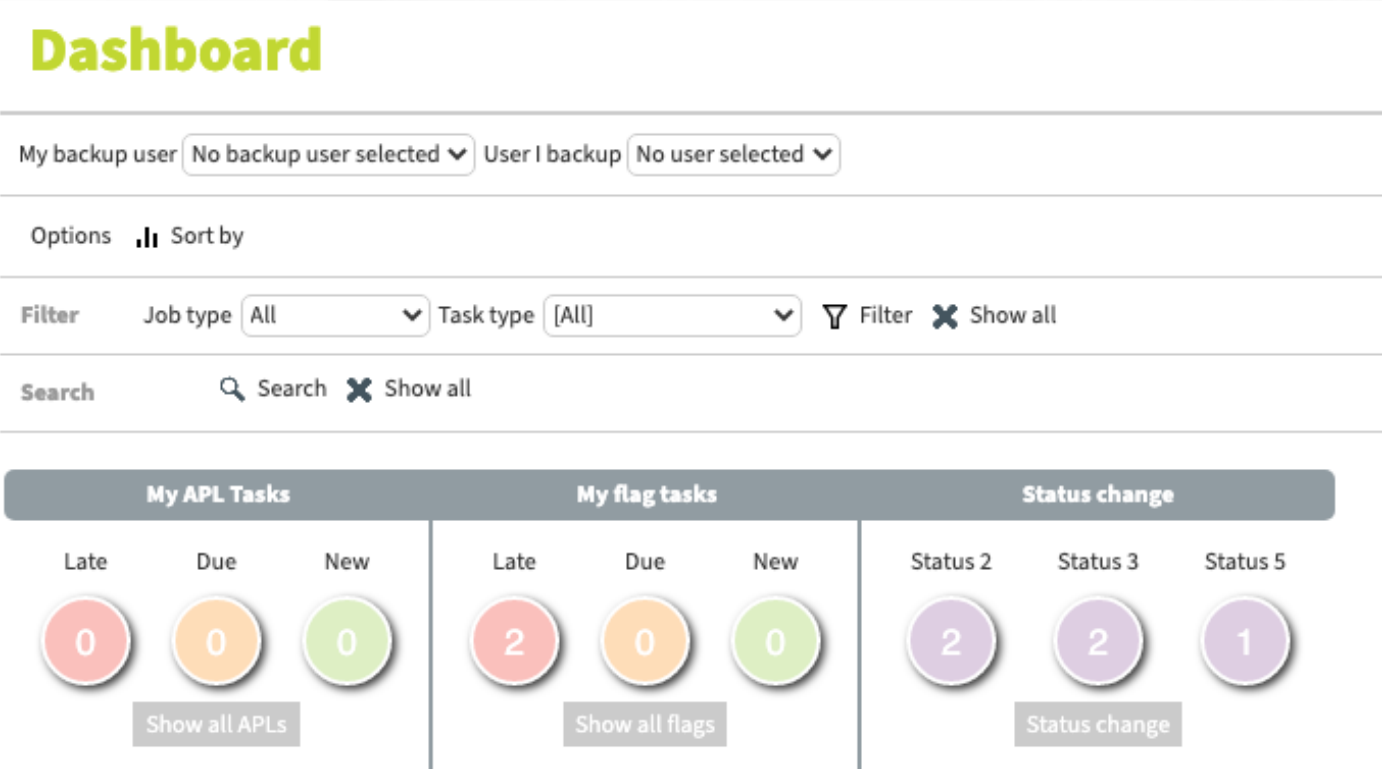
Preview	Wave ID	Service Order ID	Keyword	Flags	APL	Status
1.	10510008	Suche	Energy	3	12345678	Design Feasibility Approval
2.	10510009	Suche	Energy	1	12345678	Approval of Final Design
3.	10510010	Suche	Energy	1	12345678	Design Feasibility Approval
4.	10510024	Suche	Juicy	1	12345678	Design Feasibility Approval
5.	10510027	Suche	Energy	1	12345678	Design Feasibility Approval
6.	10510117	Suche	Energy	1	12345678	Design Feasibility Approval
7.	10510157	Suche	Energy	1	12345678	Design Feasibility Approval
8.	10510158	Suche	Energy	2	12345678	Design Feasibility Approval
9.	10510164	Suche	Sparkly	2	12345678	Design Feasibility Approval
10.	10510020	Suche	Energy	1	12345678	Design Feasibility Approval

Until Wave 2.12

New Features

New Dashboard

In this view, all open tasks are shown, but they are pale and not selected. Therefore, no search result is displayed. But you can still see how many jobs are currently available for processing. From this view, you can now compile results as you wish or display all the respective tasks via "Show all".

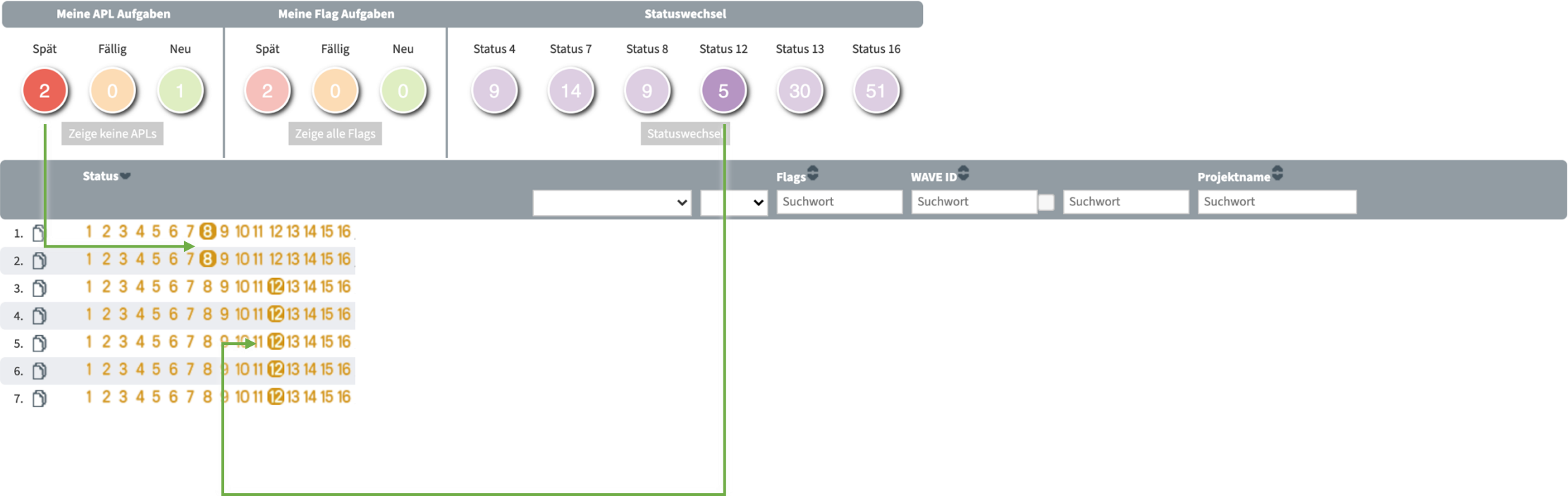


Until Wave 2.12

New Features

New Dashboard

Here is an example: Late APL tasks and status change tasks in status 12 have been selected. Both are highlighted and no longer pale.

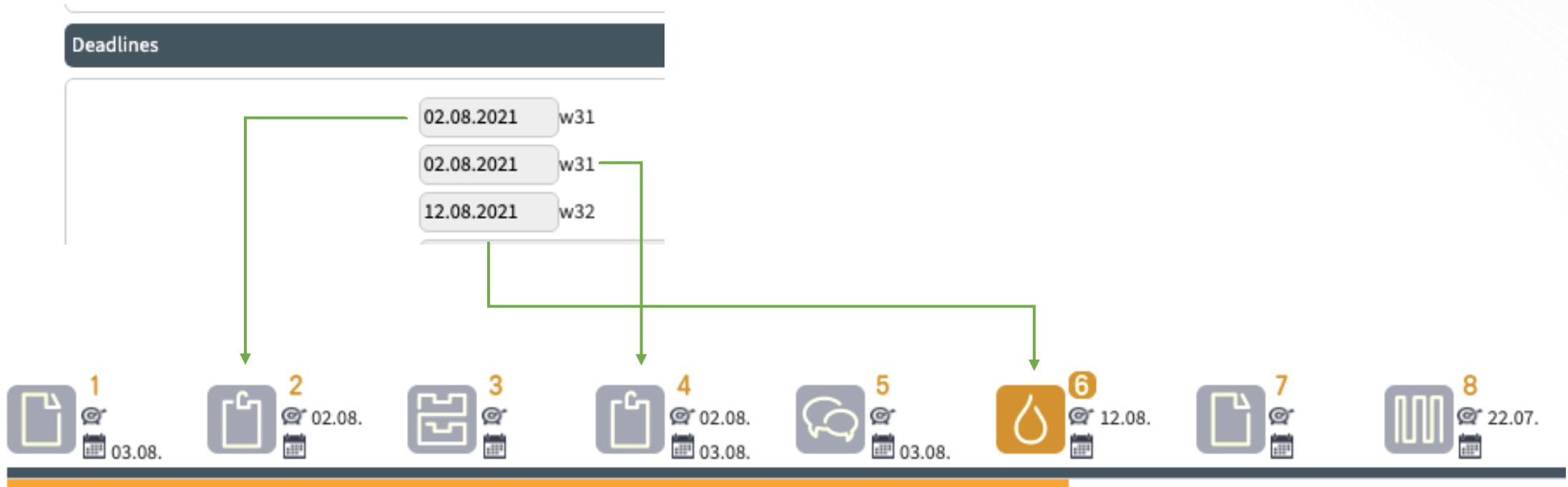


Until Wave 2.12

New Features

Due Date column

Depending on the dates entered in the job form, these are displayed in the milestones:



Until Wave 2.12

New Features

Due Date column

One can select the column "Milestone due date" in the column selection. In the job overview, the field is then marked in colour if a due date from the milestones has been exceeded (red) or is due (orange):

Selected fields

Milestone Due Date

WAVE ID

Project Name

Status

Deadlines

02.08.2021w31

02.08.2021w31

12.08.2021w32

14

◀

Page 1 of 2

▶

Options

CSV export

XLS export

Timing Export

Sort by

Filter

Status 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Flags

Brand Manager [All]

Filter

Search

Adresse

Search

Show all

Milestone Due Date

WAVE ID

Project Name

Status

Placeholder

test

1. 12.08.2021

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

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Until Wave 2.12

New Features

New Joblist Header

To improve Wave, a new summary view has been introduced above the job list. At a glance, you can see which jobs are overdue in which statuses; the information comes from the appointments, as with the due date column. This list can optionally be activated and deactivated in the settings:

Show Overview

✓ yes

no

Overview

1 New Project	2	3	4	5	6	7	8	9	10	11
7 Jobs	5 Jobs			2 Jobs	7 Jobs	8 Jobs		0 Jobs	9 Jobs	7 Jobs
1 Overdue	0 Overdue	6 Jobs	5 Jobs	0 Overdue	6 Overdue	0 Overdue	9 Jobs	0 Overdue	0 Overdue	0 Overdue
0 Due today	0 Due today	0 Overdue	0 Overdue	0 Due today	0 Due today	0 Due today	9 Overdue	0 Due today	0 Due today	0 Due today

If you filter your list, e.g. by brand management or a specific job, you will only see the overdue jobs for that selection.

Page 1 of 2

Options

CSV export

XLS export

Timing Export

Sort by

Filter

Status 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Flags

Brand Manager [All]

Filter

Search

Adresse

Search

Show all

Milestone Due Date

WAVE ID

Project Name

Status

1. 12.08.2021

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Deadlines

6

12.08.

02.08.2021

w31

02.08.2021

w31

12.08.2021

w32

Until Wave 2.12

New Features

Input fields Columns

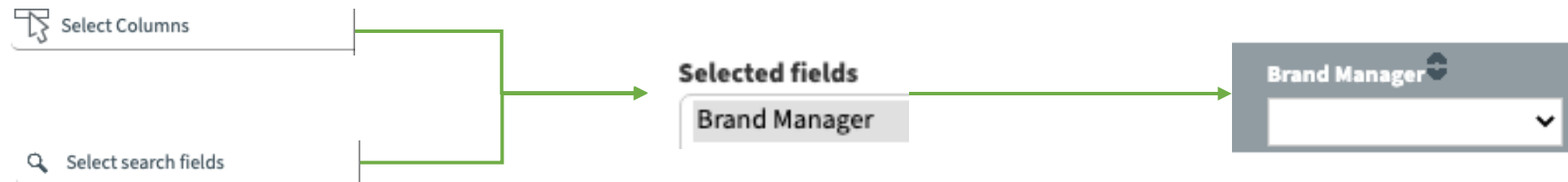
In addition, input fields are now displayed in the job lists below the column names that you have set up as columns. Within these search fields you can "start" the search in two ways:

- On the one hand, a search term can be entered in the input field and accepted by pressing the "Enter"/"Return" button.
- On the other hand, the search can be applied by clicking the "Search" button in the search panel.

To delete a search term, either the "Show all" button can be pressed, or the search term can be removed from the input field and accepted by pressing the "Enter"/"Return" key.



The input field is only displayed if the "Search field" flag has been activated in the job field and the user has the right to operate this field. If a job field is "searchable" and represents a column in the list, it is not explicitly displayed in the search panel below the filter panel. This means that if one has set up a column that can be searched directly, it will no longer appear in the normal search option.



Until Wave 2.12

New Features

New Add Revisor Function

The optimised Add Revisor function has been given a compact menu, where **Filter** / **Group Filter** and **User Selection** can now be used to filter more conveniently, the selections are cascading, i.e. dependent on each other.

The Group Selection contains all users.

With **Add External Users**, people can be freely invited to the APL by e-mail address. A link will only take them to the APL, e.g. a print shop or institute.

As originally, it is possible to classify an added person in the position and to specify the days for checking.

Add Revisor to

Filter

Group Filter

- Brand Management

User Selection

Group Selection

-

- 5Flow Administrator

- 5Flow Limit Admin

- 5Flow Support Admin

Add External Users

At position

Add to position 1

Days

2

Okay

Cancel

Until Wave 2.12

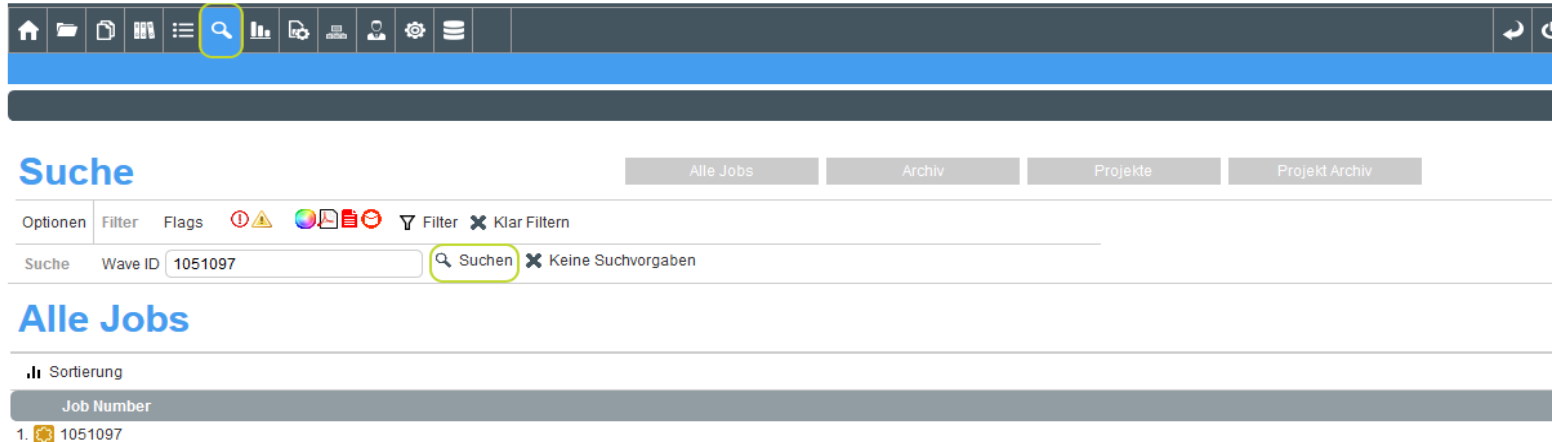
New Features

Global Search

Up to version 2.5, a search could be started without specifying values in the search fields Search terms. This resulted in all active and archive jobs being searched and displayed.

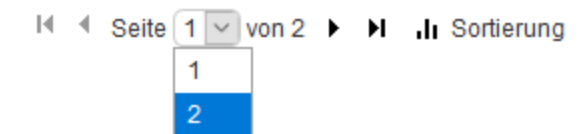
On some systems, performing this search led to long waiting times or even memory overflows.

We have therefore fundamentally redesigned the global search.



Picture: Overview of the Global Search

Alle Jobs



Picture: Pagination and sorting options within the job list

The search has also been extended with pagination for extensive search results.

Until Wave 2.12

New Features

E-mail dispatch in case of representation

In the event of a substitution, Out of Office and Back in Office mails are sent automatically. This informs substitutes that you will take over all tasks from then on.

Email Vorlagen

+

Neu Vorlage

Optionen

|

Suchen

Suchen

Alle anzeigen

Mandant	Sprache	Code	Name	Betreff	
...	Global	de	i.will.not.backup.you	System Backup Info back in Office	Back in Office - Abwesenheitsnotiz
...	Global	en	i.will.not.backup.you	System Backup Info back in Office	Abwesenheitsnotiz - Back in Office
...	Global	de	i.go.onholiday	System Backup Info Out of Office	Abwesenheitsnotiz - Out of Office
...	Global	en	i.go.onholiday	System Backup Info Out of Office	Abwesenheitsnotiz - Out of Office
...	Global	de		System Backup Info Vertretung beendet	Out of Office - Backup finished / Abwesenheitsnotiz - Vertretung beendet
...	Global	de	i.back.fromholiday	System Backup Info Vertretung beendet	Abwesenheitsnotiz - Vertretung beendet
...	Global	en	i.back.fromholiday	System Backup Info Vertretung beendet	Abwesenheitsnotiz - Vertretung beendet
...	Global	de	you.go.onholiday	System Backup Info Vertretung übernehme	Abwesenheitsnotiz - Vertretung übernehme
...	Global	en	you.go.onholiday	System Backup Info Vertretung übernehme	Abwesenheitsnotiz - Vertretung übernehme

Bearbeitung eMail-Vorlage

Mandant

[Alle]

Sprache

Deutsch

Code

i.go.onholiday

Internal Name

System | Backup Info Out of Office

Betreff

Abwesenheitsnotiz - Out of Office

Kommentar

---WAVE SYSTEM - OUT OF OFFICE---

----- Deutsche Version (English version below) -----

Sehr geehrte(r) {to.firstname} {to.lastname},

ich bin derzeit nicht im Büro. Bitte Vertreten Sie mich in meiner Abwesenheit.

✓ Speichern

✗ Abbrechen

Until Wave 2.12

New Features

Export List via E-Mail

The list export in the overview list has been extended.
In addition to the option of direct download, there is now also the option of sending by e-mail.



Picture: Extension of the Job Export

Until Wave 2.12

New Features

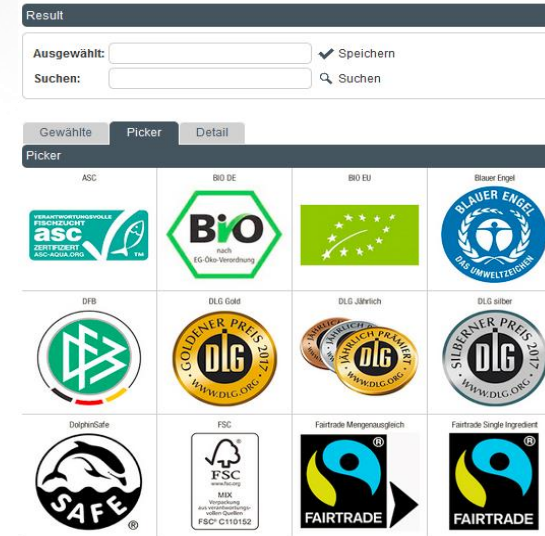
- **Right to access group rights**
 - There is a new right that prevents users with editing rights for groups from also accessing the rights of these groups. This is necessary to ensure that only authorised persons can access and edit the rights of a group.
- **Define mandatory fields for status change "back"**
 - Until this function was improved, the mandatory fields were only displayed during the status change if the target status was greater than the current one. Now, mandatory fields are always checked when the corresponding status is reached.
- **ADD CC-E-MAIL LIST IN EVERY e-mail**
 - This function offers the possibility to automatically add a list of recipients at the end of the e-mail. All users are displayed with their first names/last names and e-mail addresses separated by commas (in one line) or one after the other (each in a new line).

Until Wave 2.12

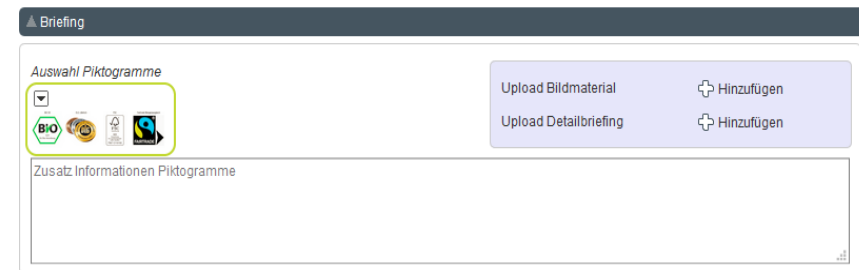
New Features

Icon Picker - Multiple selection of icons/pictograms/symbols and display on the job form.

This new function enables the selection of any symbols within a selection list within the portal. After you have selected the symbols and saved the job, they are displayed as symbols in the job form. The selection of the displayed symbols is done via the General Files in the Home menu. Within the customised main directory there must be a directory with the name ImagePicker. Within this directory, another directory is created which must have the same name as the code you have chosen for the selection list. Within this directory you can upload all the images you want to use for the picker list, provided you have the appropriate rights



Picture: Iconpicker list



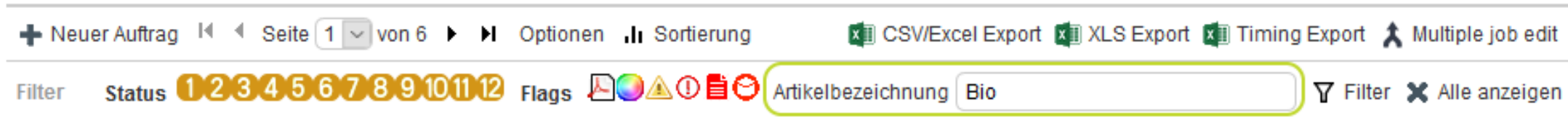
Picture: Selected icons within the job form

Until Wave 2.12

New Features

Standard filter job list

With the help of the customer-specific configuration file, standard filters can be defined for all order types of 5FLOW.



These filters represent the standard fields so that the user can quickly get to frequently used search criteria.

No individual default filters can be set. The standard filters are displayed to all users in the filter area.

Until Wave 2.12

New Features



Shopping Card

Shopping Card
When Shopping Card is activated it appear on the upper right as icon. In all jobs in documents it is possible to mark all files or single ones and add them to shopping card. When needed user can open the shopping card and see list of jobs, single ones can be deleted here directly then downloaded or sent via Mail to users of the wave system.

Layout/Artwork

Dokumente (Einzelartikel)

Dateien

Dokumente (Einzelartikel) + Hinzufügen

+ Zum Warenkorb hinzufügen

Dateiname

1. ☒ ... 402377547_5flow_Juicy_Drink_Flasche_500ml.pdf

2. ☒ ... 402377547_5flow_Power_Drink_250ml.pdf

3. ☐ ... 402377547_5flow_Sparkly_Drink_250ml.pdf

Einkaufswagen / Dateien herunterladen

Bitte wählen Sie eine Download-Option:

Dateien herunterladen: Der Download der ausgewählten Dateien startet, nachdem der Komprimierungsvorgang abgeschlossen wurde.

Link per E-Mail herunterladen: Senden Sie eine E-Mail mit den Download-Links an einen beliebigen Empfänger.

WAVE ID	File Name	Compress Progress
2601785	402377547_5flow_Power_Drink_250ml.pdf	<input checked="" type="checkbox"/>
2601785	402377547_5flow_Juicy_Drink_Flasche_500ml.pdf	<input type="checkbox"/>

Download Link per E-Mail

Dateien herunterladen

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Substitute rule Admin

Benutzer Gruppen Rollen Systemeinstellungen Rechte **Vertretung**

Vertretung

+ Neue Vertretung | < Seite 1 von 14 > | Optionen

Benutzer	Test	Suchen
1. <i>Georgi Oberdorfer</i>	Progen Test	
2. <i>Robert Kallenberg</i>	Progen Test	
3. <i>Frank Börgert</i>	Progen Test	
4. <i>Oliver Frensdorff</i>	Progen Test	
5. <i>Wolfgang Jans</i>	Progen Test	
6. <i>Frank Jans</i>	Progen Test	
7. <i>Wolfgang Jans</i>	Progen Test	
8. <i>Wolfgang Jans</i>	Progen Test	
9. <i>Wolfgang Jans</i>	Progen Test	
10. <i>Wolfgang Jans</i>	Progen Test	

In addition, the representatives can be changed via this admin function.

User	Backup user	Status	Last status change
1. EK, Demo	CZ, Demo EK	■	08/31/2020 14:38:28

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Until Wave 2.12

New Features

Visibility of all status changes

If wished, it is configurable to see all possible status changes at this point greyed out for each status change. You cannot use them, but you can see what would theoretically have been possible with other settings but is currently not possible.

▲ Statuswechsel

2 Briefing zurück an LFN

3 Briefing an QM

4 Briefing an BM

4 Briefing an BM ohne QM

4 Briefing an BM