# ComfoPlanPlus / HRV

Purpose

With the comfoplan+ web presence the customer should be able to get a quick overview which ventilation system is the best for his needs. The solution he chose, should be sent to him and zehnder sales if a nearer consulting is requested.

The customer should has the option to get back to zehnder, if he needs a detailled offer and wants to buy the ventilation system.

To fullfill all need of customers and sales department a comfoplanplus web component was developed. This component is developed by techcube, which have already created the base comfoplan system for Zehnder. To enable this webcomponent at the website and do some interactions, the web agency avenit is part of the project. The responsibilities are crearly separated, as the follwoing drawing shows.

Concept of interaction with techcubes web component
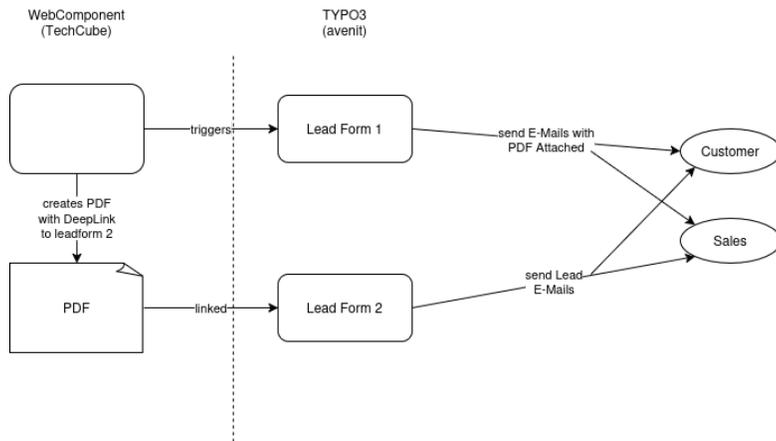
Elements in TYPO3

The base elements can be added by a qualified Zehnder editor. But some Settings must be done by avenit. For going live in a new country/language create a ticket for avenit with the following information:

- recipients for leadform 1 after launch
- leadform 2 page

Content Element: "Comfoplan Plus" (MainElement)

The HRV selector is build as a web component an is implemented as the content element "CompoPlanPlus" in TYPO3.

It is possible to select the comfoplanplus environment at the content element. Default is *stage* for testing purposes. The other option is *production* for productive mode.

Plugin: "Comfo Plan Plus | Lead Form 1" (hidden)

This is not a form as it sounds. The real leadform is inside the comfoplanweb component. At the end of the journey the customer can send the results to itself. Therefore an event inside the component is triggered, so that to TYPO3 system can react on this event. The event data are submitted to an ajax route e.g. `/de/hrv/leadform1` via a post request. The the e-mails to the customer and the defined recipients are prepared and send.

The post request should return `{"success":true}` if everything went fine. Otherwise an error message is returned. To analyze this, you need to check the browser development tools.

Settings

Settings are made in the typoscript, described later.

Plugin: "Comfo Plan Plus | Lead Form 2"

This is a real form which is displayed after the customer clicks the link inside the PDF or scans the QR Code there. This URL is shortened by techcube, so that is not too long for the QR code. Techcube translates the short URL to the leadform 2 URL at the TYPO3 system.

The URL contains the keyword `hrvform2` . A middleware checks for this keyword and routes to the leadform 2 page with all parameters. Mandatory parameters are:

- projectNumber
- systemImage
- systemName

Without these parameters the leadform is not displayed and an error message is shown.

Settings

At the leadform 2 plugin you can set some options

- Privacy Page - page is linked above the submit button
- Recipients - additional recipients for the lead e-mail
- Redirect Page - Page where the customer is lead, if all e-mails were sent out well

System Configuration

The system configuration can **only** edited by TYPO3 admin users. The following steps are neccessary:

- additional recipients for leadform 1 are set as typoscript settings.

```
1    comfoplanplus.10.settings {
2      recipients {
3        10 = tsh@avenit.de
4        11 = msc@avenit.de
5        20 = Thomas.Strobel@zehndergroup.com
6        30 = Martin.Doelle@zehndergroup.com
7      }
8      recipientsSimple {
9        10 = tsh@avenit.de
10       11 = msc@avenit.de
11       20 = Thomas.Strobel@zehndergroup.com
12       30 = Martin.Doelle@zehndergroup.com
13     }
14   }
```

- **recipients** = recipients which recive the e-mail if the the consulting checkbox was checked
- **recipientsSimple** = recipients which receive the e-mail if consulting checkbox was **not** checked
- SiteSettings

- the MBU for the tree must be set
- the page, where leadform 2 is added, must be defined in the site settings

Localization

The web component needs a language. Therefor the TYPO3 language is used beside the MBU information. All label translations inside the web component are managed by techcube.

Translation responsibility overview:

Translation Part	avenit (TYPO3)	techcube (HRV app)
HRV App		✅
Lead Form 1		✅
Lead From 1 E-Mail	✅	
Lead Form 2	✅	
Lead Form 2 E-Mail	✅	

The e-mails texts are separated into single translations. These are hard coded in TYPO3 XLF files and managed by avenit.

Lead Form 2 Call via generic URL pattern

The lead form 2 is linked in the lead form 1 e-mail and the corresponding PDF file.

```
1  https://<domain>/<lang>/hrvform2/
2
3  Domain e.g. www.zehnder-systems.de
4  Lang: country and domain specific e.g. de (for Country DE)
```

Domain and Language for each MBU are managed by techcube.

Special Styling

For the first release a special HTML Code element must be placed beneath the Comfoplan Plus content element with the following CSS Part:

```
1  .ce-avsite_comfoplanplus {padding-top:0 !important;}
2  .ce-avsite_comfoplanplus .container--fluid {padding:0;}
3  .page__main > .pin-spacer + .contentelement {padding-top: 0;}
```

> 🗒 Make sure this element is active for all languages

Error Handling

Error	Further information / checks

web component loads with an error	- is MBU in site settings correct? - is the environment correct? - ask at techcube if the mcu language combination is correct for the environment - have a look at the HTML of the component, are locale and MBU set correctly
	`▼ <div>`
	`  ▼ <cpp-hrv id="cpp-hrv" mbu_code="CH" locale="de" ng-version="18.2.13">`
	`    ▶ <div class="cpp-hrv-container">…</div>`

lead form 1 sends no emails	- Look at the response of the ajax request triggerd - check the recipients in the typoscript configuration
lead form 2 loads with an error	- check the parameters in the URL - is the domain in the PDF url correct
lead form 2 sends no emails	check the recipients at the plugin settings
lead form shows an error after submitting	detailled information can be accessed by avenit

TODOs for new country

TYPO3

1. create pages and elements (zehnder)
   a. HRV main page (with content element: "Comfoplan Plus")
   b. LeadForm 2 page (with plugin: "Comfo Plan Plus │ Lead Form 2")
   c. success page for leadform 2
2. set system configuration
   a. Settings Comfoplan+ Part
      i. set MBU/Country
      ii. set LeadForm 2 Page ID
   b. schema.org Settings (used for address in e-mails)
      i. check if address is correct
3. check translations for lead form 2 and e-mails
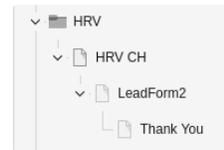
example structure

TODOs techcube/Zehnder

- Generate lead form 2 URL for staging and production environment for the tenant/country
  - pattern mentionend above `https://<domain>>/<lang>/hrvform2/`
  - URLs im QR Tool eintragen
- add missing translations for HRV frontend