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SEGRO Training Videos Transcript

Transcript 1: Creating a New OneClick Project

Timestamp	Text
00:00:01	This is the first of a series of video guides to following the new SEGRO LCA methodology version 6.
00:00:08	In this video, I'll walk you through creating a new oneclick project aligned with the methodology.
00:00:14	Before we begin, please make sure you have your project name, the building unit ID, and the net lettable floor area from the SEGRO MRI database to hand.
00:00:24	Additionally, please have the latest version of the SEGRO LCA methodology open for reference.
00:00:31	To create a project, let's start by clicking. ‘Add’ and ‘Building’.
00:00:40	Link the project to the SEGRO license.
00:00:47	Input the project name.
00:00:57	For type, select warehouses.
00:01:04	Input the address, if desired, and select the country as appropriate.
00:01:18	Input the net lettable floor area.
00:01:23	The number of above ground floors select the appropriate frame type.
00:01:30	Optionally, you can upload an image and select any certifications pursued. However, this is not needed.
00:01:44	We have now successfully created a new project.
00:01:51	Now let's input the required users by clicking users.
00:01:58	Linking to the SEGRO licence should have included most of the necessary people. But please add additional team members as needed.
00:02:14	Once the users are correctly assigned, we can create a design. Click get started to create your first design.
00:02:22	For the required tool, select whole life carbon. RICS second edition.
00:02:33	The building name should be ‘final as built’.
00:02:37	The additional information should be the building unit ID.
00:02:42	The stage of construction should be 6, project close out.
00:02:49	And make sure all the building elements are included in the scope.
00:02:57	One click will then prompt you to adjust your project parameters. So first click review and adjust.
00:03:12	For service life, select technical service life, same for same materials.
00:03:21	For transport, select the most appropriate based on your location. So for European that would be European, and for the UK you want to select UK RICS.
00:03:34	Select disable material localization, use method, 2.1 for material manufacturing localization.
00:03:47	Select market scenarios, user adjustable for end of life calculation.
00:03:52	For country-specific end of life scenarios select the most appropriate.
00:03:59	And for country specific site wastage.
00:04:02	Again, select the most appropriate.
00:04:08	Once you've input the parameters you can now click save.

00:04:19	And now the project has been correctly set up and we can begin inputting data.
00:04:25	If you want to double check your inputs, you can go back to the project parameters by clicking parameters, input data,
00:04:31	And to modify the design, you can click the design, dropdown and click, modify.
00:04:41	And that completes the setup process.

Transcript 2: Adjusting an Existing OneClick Project

Timestamp	Text
00:00:01	In this video, I'll walk you through adjusting an existing oneclick project to align with the new Methodology.
00:00:07	This will be useful for projects where an LCA has already been started or completed, using the old methodology or projects where an LCA may have already been completed, using a different methodology for other requirements.
00:00:19	Before we begin. I recommend having the new SEGRO, LCA. Methodology version 6 open for reference.
00:00:27	Here we have a project with an assessment aligned with the old methodology which we want to update. First, we'll need to check the parameters are correctly input.
00:00:37	So to do that click parameters input data, LCA parameters.
00:00:50	So in this instance all the parameters are correctly assigned.
00:00:55	However, if your existing calculation requires different parameters, I recommend instead creating a new project, as shown in video one as changing these parameters may impact your existing results.
00:01:10	Once you've created a new project as per video one, you can copy input data from another project by clicking the drop down here and selecting copy data from another design.
00:01:27	This allows you to copy data from another project into this project through the search function.
00:01:36	Please note, you'll only be able to copy data to and from the same calculation tool.
00:01:43	So on that note to add or change the calculation tool, click tools, available calculation tools, and select the previous calculation tool if you wish to copy data over. And for the new calculation, select whole life carbon assessment RICS second edition.
00:02:20	We now have a calculation aligned with RICS second edition, and it's already calculating some results.
00:02:30	As a note.if there's any missing information, this result here will be highlighted red.
00:02:36	In this instance, as the majority of inputs align with the old methodology, it has immediately calculated the results. In either case we will need to review the data.
00:02:49	At this point, it is good practice to create a copy of this design as your final as-built. To ensure you have a reference to the original calculation.
00:02:58	To copy a design, click the design and click, copy.
00:03:06	The name, final as built, additional information building unit ID.
00:03:15	For the tools, we just want RICS second edition.
00:03:20	All the building elements as before, and add.
00:03:32	If you created a new project to begin with, you can ignore this step, and instead modify your existing design.
00:03:38	The next step will be reviewing and adding any additional information into the assessment, and that will be covered in the next video.

Transcript 3: Adding and Reviewing Data Inputs

Timestamp	Text
00:00:01	In this video, I will walk you through how to both add and review data inputs in one click.
00:00:06	Before you begin, please have the SEGRO LCA Methodology version 6 open as I will be referencing it during the tutorial.
00:00:13	To add the data, first click on the relevant project and tool and click building materials.
00:00:33	If you have a specific product EPD, simply search in the appropriate toolbar for the EPD number to check if it's in the oneclick database like so.
00:00:59	If you don't have a specific EPD, and are using a generic data set or a similar product EPD, search for the material in the toolbar, and it is important that the option you choose matches as closely as possible the product or specification used in the project. So for concrete products, this would include strength, grade, cement, content, and GGBS content. For precast concrete elements, It's important to check whether the selected product includes rebar and add if needed. And for steel products, this would include recycled content and production method.
00:01:29	So as an example, let's search for a concrete EPD.
00:01:35	So let's assume a C 40/50 with 50% GGBS.
00:01:50	Additionally, we want to use an EPD with an appropriate geography which is shown by the flag symbol next to the EPD.
00:01:57	If you need to check the technical characteristics of an EPD, you are selecting, you can click the question mark here.
00:02:05	And it will pull up some information on that EPD.
00:02:16	Once you have found an appropriate EPD, you can click on it to add it to the assessment.
00:02:32	Now that it's added, input a description into the comment box.
00:02:45	And next, we want to ensure that the building element is in the appropriate RICS category.
00:02:55	So for this section, it's important to refer back to the SEGRO LCA Methodology version 6 guidance in Section 3.
00:03:11	Please update the transport and waste numbers, if data has been provided by the contractor.
00:03:20	Otherwise these can be left at default values.
00:03:31	If you have copied data over from another design, as shown in video 2 or uploaded materials using the one click import function. Please make sure you review your inputs. Most importantly, double check that EPD used.
00:03:44	And the RICS category the element is assigned to.
00:03:51	Now, we can move on to inputting the remaining data.
00:04:00	The tabs across the top show what other information can be input for the assessment. Pre-construction information can be left blank as this sits outside the SEGRO scope.
00:04:10	Energy consumption can also be left blank as it sits outside the SEGRO scope. However, one click sometimes displays an error. If you've done this, so please input 0 kilowatt hours in this tab, if needed.
00:04:24	Water consumption can be left blank as it also sits outside the SEGRO scope for construction site emissions.
00:04:32	If information has been provided by the contractor, please complete.
00:04:36	This page as appropriate. If no information has been provided, please just leave this tab blank, and we will apply a benchmark value in post-processing.
00:04:45	Emissions and removals can be left blank, as this sits outside the scope, maintenance can be left as default, and for top up factors.
00:04:55	Please ensure building level contingency is at 0% post completion. And for data quality uncertainty, please make sure that this is disabled, as we will be applying this factor in post-processing.
00:05:10	For the calculation period, please input 60 years. And for the building area.
00:05:16	Please input the floor area as per the SEGRO MRI database. So that's the net lettable area.
00:05:23	So that concludes the inputting of data for this project, we'll be covering downloading the results and the SEGRO LCA results template in the next video. If you have any questions about specific EPDs or building material input, please don't hesitate to reach out.

Transcript 4: SEGRO LCA Results Report

Timestamp	Text
00:00:01	In this video, I will take you through the SEGRO LCA results report table and downloading and inputting the oneclick results.
00:00:08	Previously we required a separate LCA report, checklist and results report for review. However, this has been combined into a single file to hopefully streamline the process and keep all the required information in one place.
00:00:20	Blue tabs show where assessor input is required.
00:00:24	Yellow denotes the detailed report.
00:00:27	Green shows the results tab. This tab shouldn't be edited, and pink shows where Elliott Wood input is required.
00:00:36	First, we'll start with the project information tab.
00:00:39	Please fill out all of the data required in this tab. Most of it is pretty self-explanatory.
00:00:45	In particular, it is critical that the correct net lettable area is input, as the behind-the-scenes processing requires this data to complete the calculations.
00:01:00	If we scroll down, we can see that we have asked for some descriptions of the project and project elements.
00:01:08	The purpose here is to provide us with some context to the calculations and help with the review process. It will also help us analyse wider trends across the project.
00:01:17	So for substructure, a good example would be X millimeters ground slab.
00:01:26	With A393 mesh.
00:01:31	It can also be helpful to provide any relevant context or challenge for this element in the description. So a good another example would be poor ground conditions,
00:01:45	Required thicker ground slab.
00:01:52	Once this information has been completed, we can move on to the data tab.
00:02:01	This tab is where we'll input materials and construction site data.
00:02:05	The first table is specifically for concrete information.
00:02:09	Please input, the concrete spec and reinforcement for each element. So that could be C 32/40, 50% GGBS.
00:02:20	And a reinforcement number.
00:02:23	The EPD column should be filled in if a specific product EPD was provided by the contractor. You do not need to fill this in if a generic data set was used.
00:02:35	You can add rows and delete rows as required for the concrete table.
00:02:41	The next table is for other key materials.
00:02:44	Please provide the name and specification of the product used in the project. And again, the EPD column should only be filled in if a specific product EPD was used or provided, and this can be the EPD name or the EPD number.
00:02:59	As this information is here for us to review against the calculation, we need this data to show us what was used in the project. Do not simply input what was used in the one click calculation.
00:03:11	The final table is for construction site data if this was provided by the contractor.
00:03:16	You can leave this blank if you weren't provided with the information, but if you were, please fill in the information here.
00:03:25	The BIM checklist Tab provides some checks to make before completing the calculation, and highlights some common errors that can be made when extracting data from Revit.
00:03:34	So, for example, checking the model for repetition and clashes.
00:03:41	Another one would be hollow elements or elements with voids can sometimes be modelled as solid elements which would provide incorrect volumes.
00:03:50	Additionally, profiled elements will also sometimes be modelled as solid elements, and this will also provide incorrect volumes.
00:03:57	So please make sure you go through these questions before downloading your results.
00:04:04	Next, we can download our results. So first, return back to the oneclick page and.
00:04:12	Go to the results page.
00:04:22	Once you're on the results page, click more actions, One click LCA results report, and download the excel.
00:04:49	Once you've opened the detailed results report it should look something like this.
00:04:54	Then we can select all and paste into the highlighted cell on the detailed results page.

00:05:05	It's worth at this point checking the report Tab to see that the information is being read correctly.
00:05:12	This isn't our final results yet before we do that, we first have to return to the top up factors tab.
00:05:20	So once the report has been copied over the, top up factor table will be populated with the top ten materials.
00:05:27	From the assessment.
00:05:37	To check that these are correct, it can be helpful to refer back to the one click results page and look at the most contributing materials tab.
00:05:49	Now, it's important to note that these won't necessarily align perfectly, because the post-processing in the excel spreadsheet will remove elements that have not been assigned to a SEGRO specific RICS category.
00:06:02	However, it is a good way of seeing generally what the top materials are.
00:06:16	For each of the top 10 materials, we need to assess the accuracy of the geography,
00:06:21	Technology, the age of the EPD, the granularity of the data, whether the data has been verified, and the source of the quantity data.
00:11:17	If you have any questions, or need further guidance on the process, please feel free to reach out.