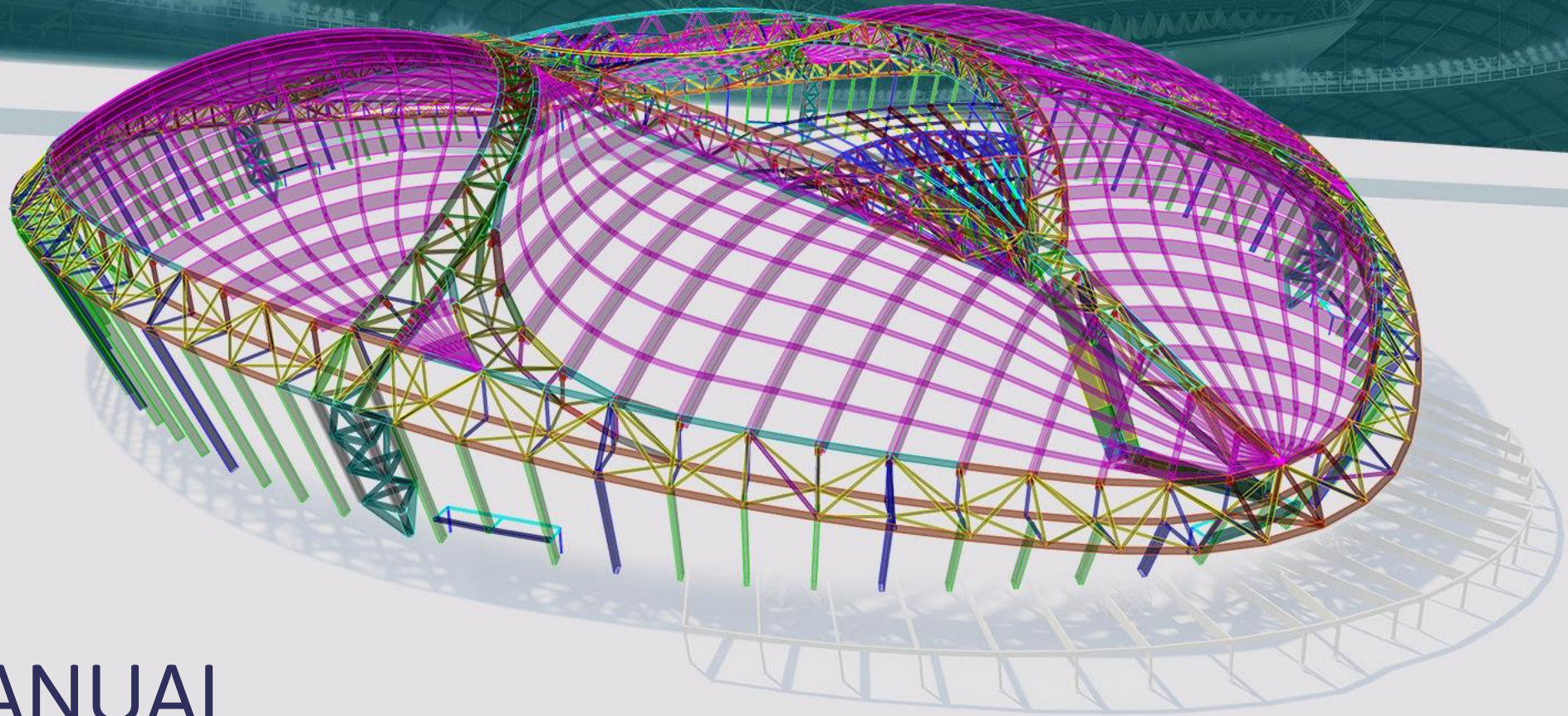# SCiA ENGINEER

SUPER POWERED.
SUPER EASY.
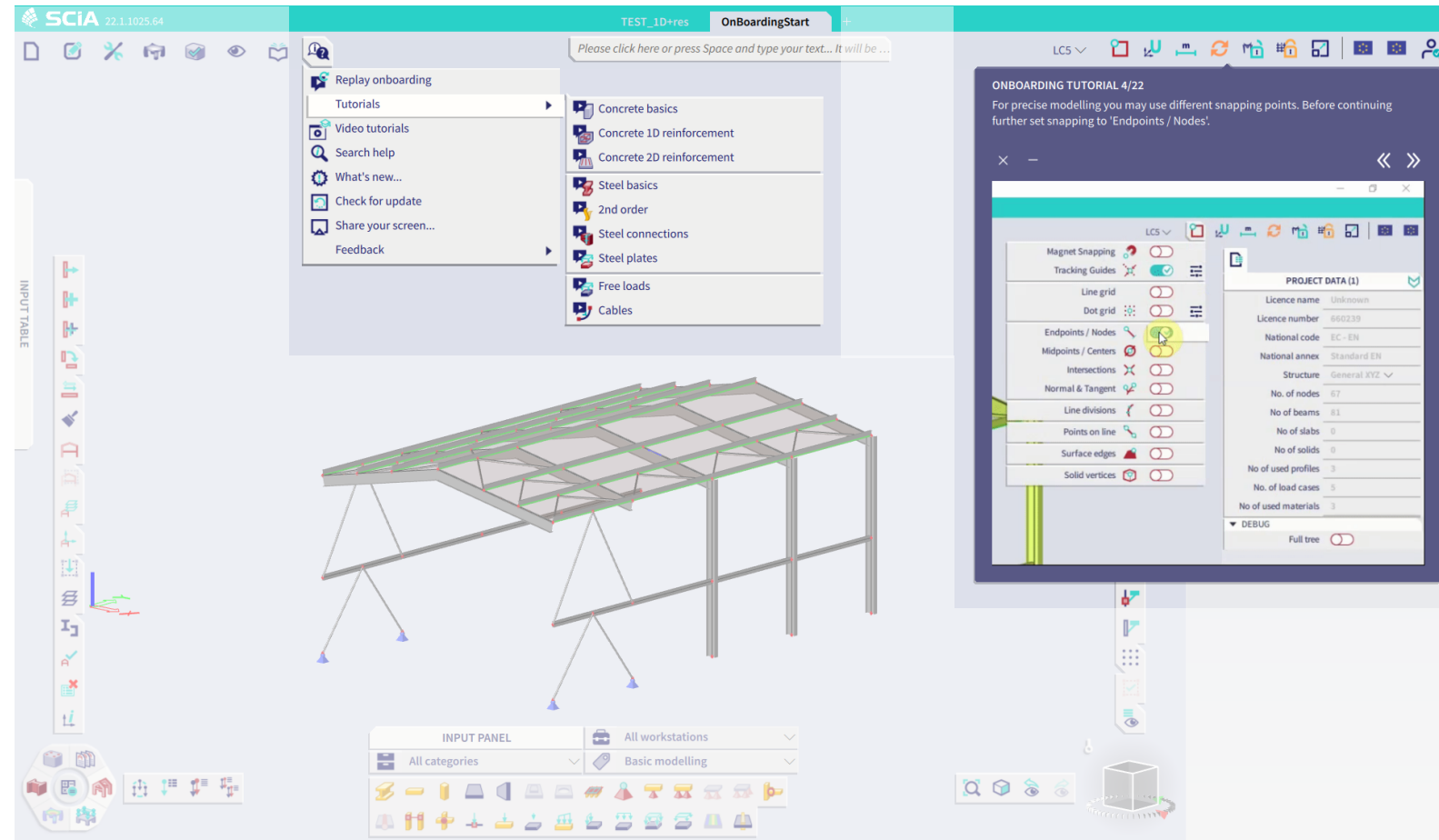
UI MANUAL

LISE BIBERT

ONBOARDING TUTORIAL

AND OTHER TUTORIALS

- **Built-in** way of **learning**
- Tutorials for several topics
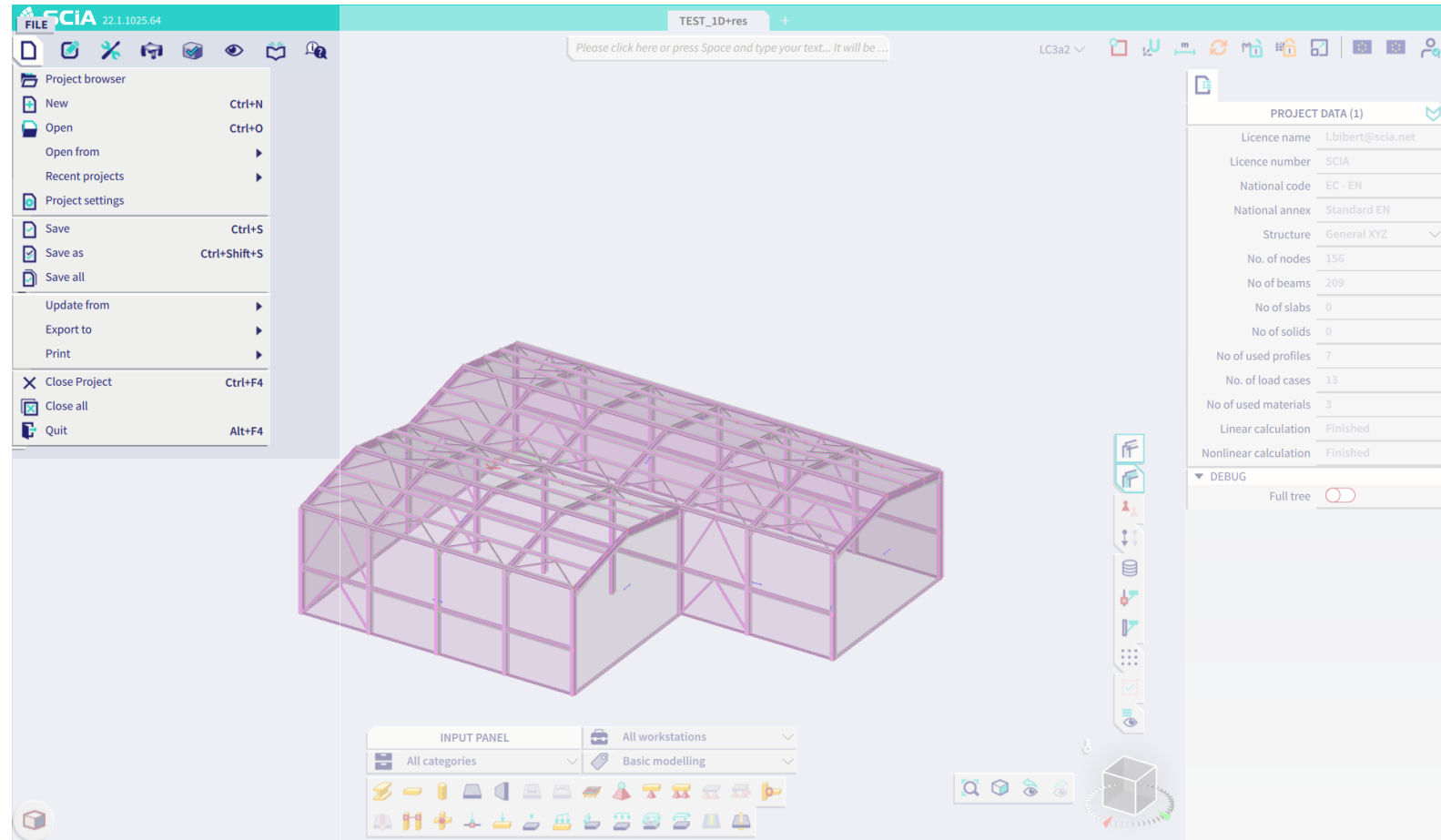- New tutorials added regularly

MENU'S

MENUBAR

- **Menu** content
  - File
  - Edit
  - Tools
  - Results
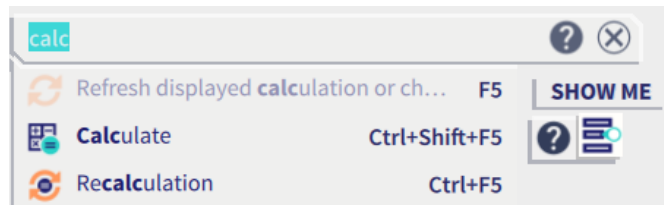 - Design
  - View
  - Libraries
  - Help

- **Drag & drop** to process toolbar
- Change **hotkeys**
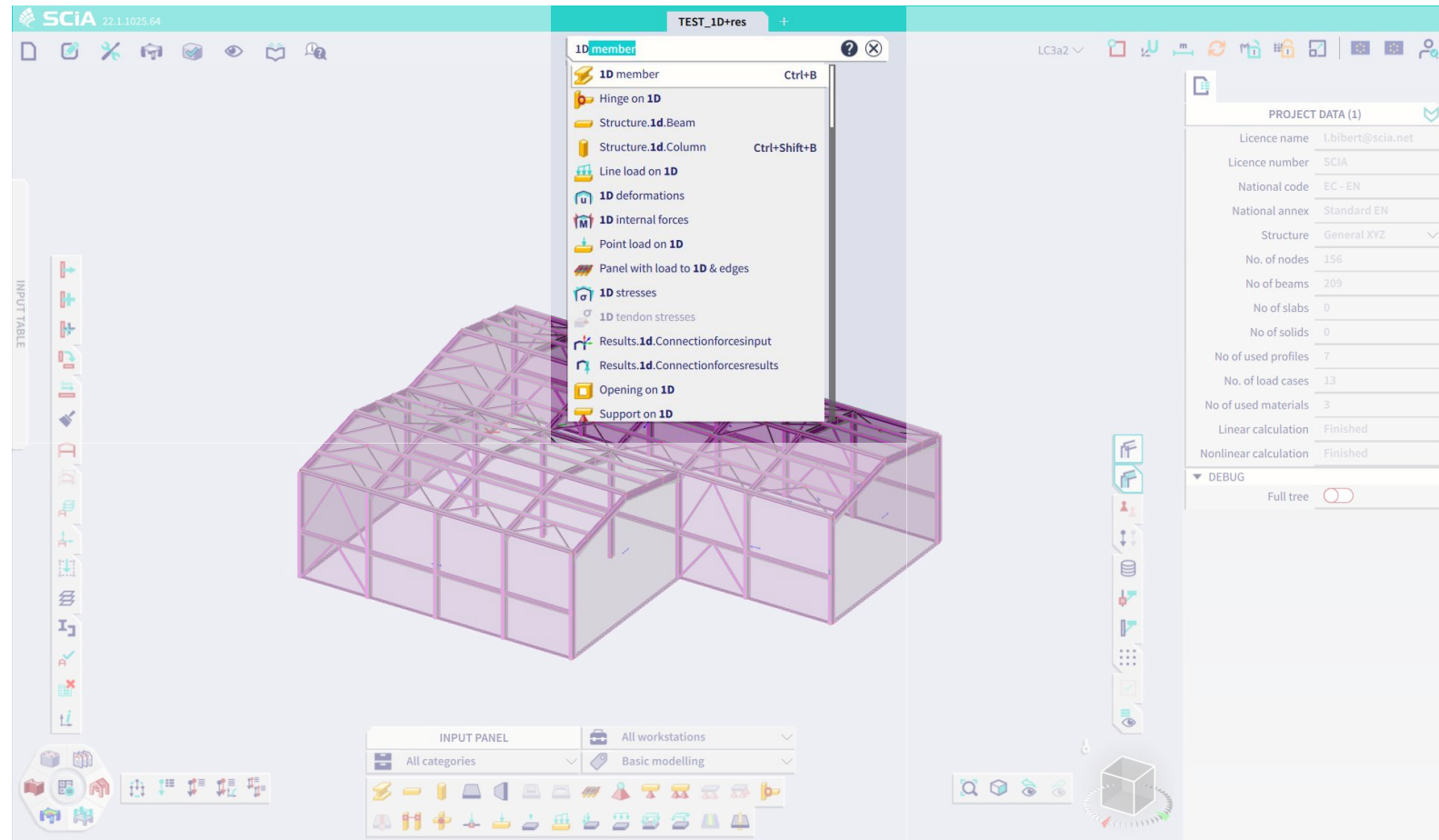- **Single letter** hotkeys possible

SPOTLIGHT

SEARCH BAR & COMMAND LINE

- **Autofill**
- Results in order of relevance
- **Space bar** to focus
- **Show me** (in menu) & **help**

- Highlighted during command

- Enter **coordinates** directly during command
- Change **hotkeys**
- **Repeat** last command

SCiA ENGINEER

PROCESS TOOLBAR

& WORKSTATION WHEEL

- Different **workstations** with toolbar in the wheel

- **Two workstations open** at the same time

- Change workstation on click and ctrl+click

- Workstation selection from hamburger menu

- Minimize or drag

- Arms can be switched

- **Drag & drop** commands from spotlight or menu

- Commands can be **stacked**

- **Tooltip** on hover (**help** & **hotkey**)

- **Calculate** button

- Visible if/which results are calculated
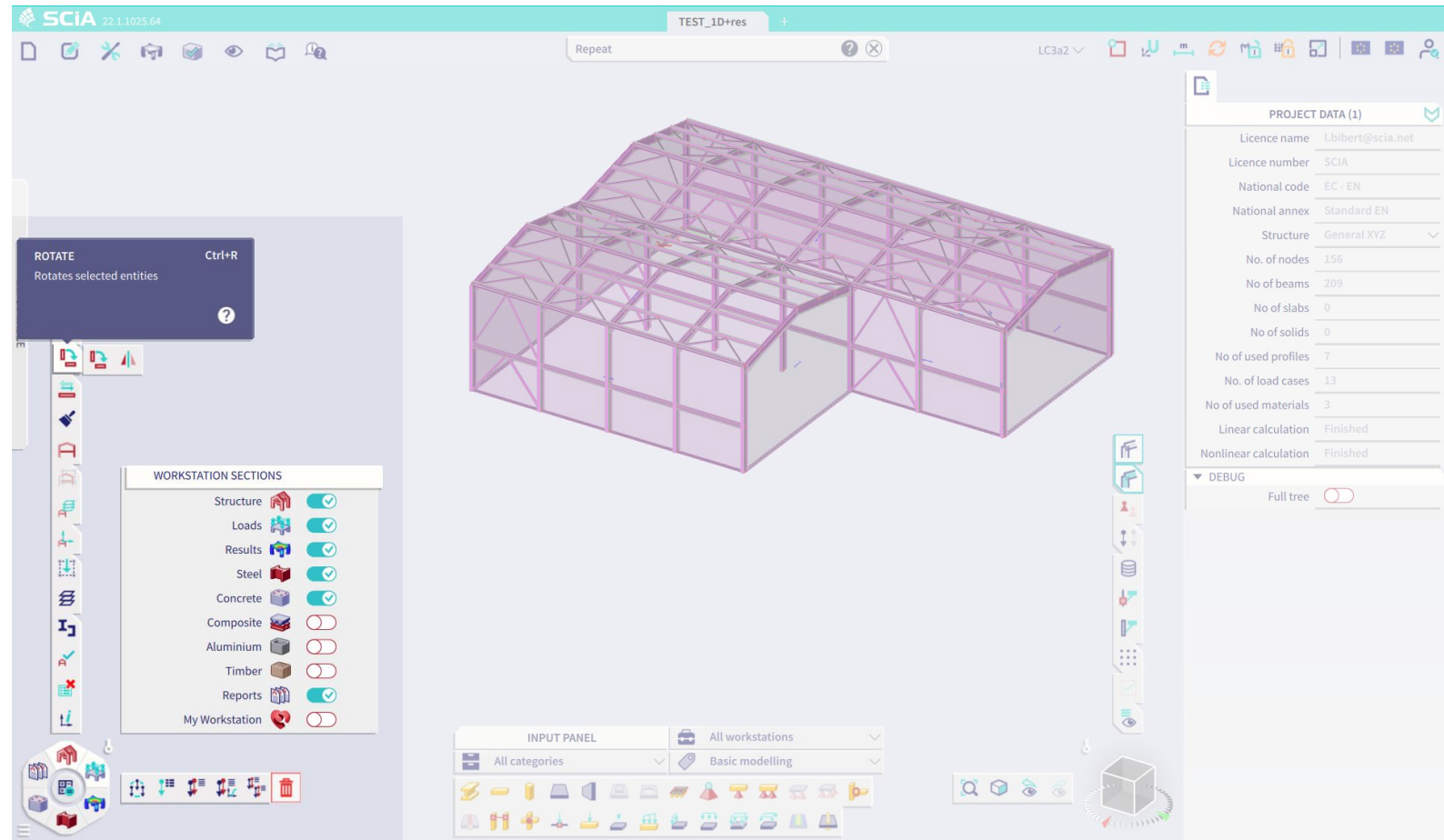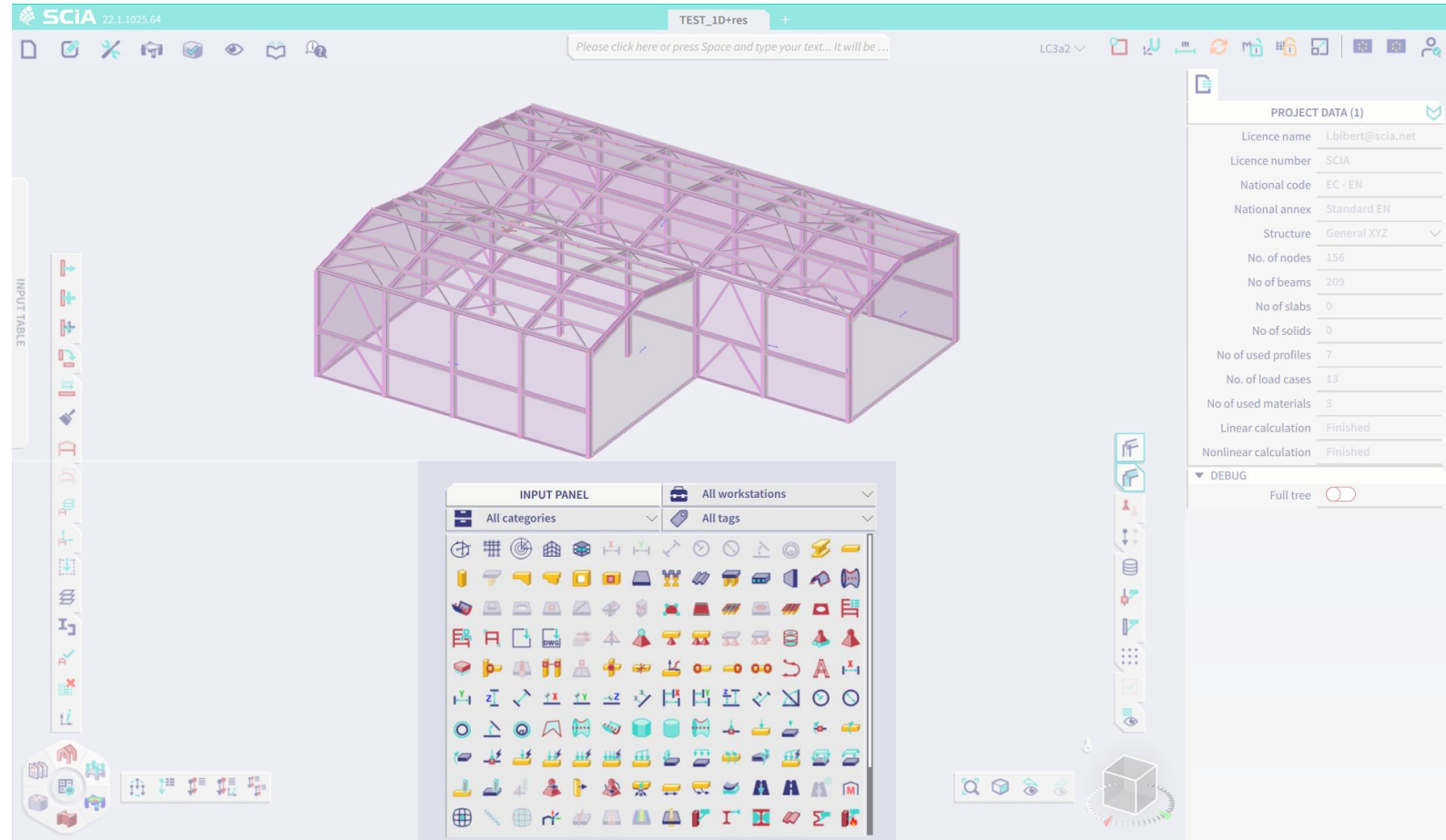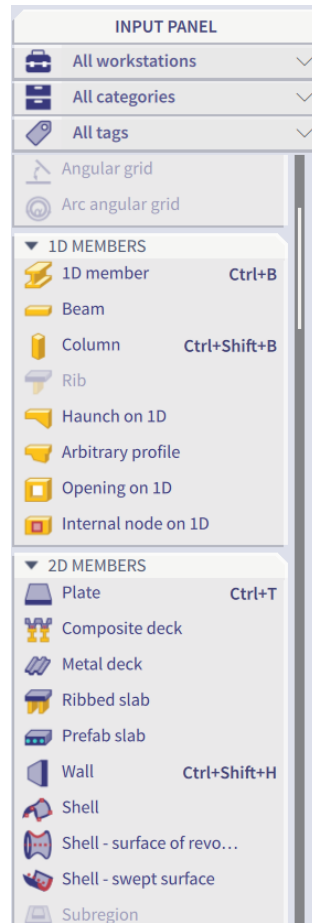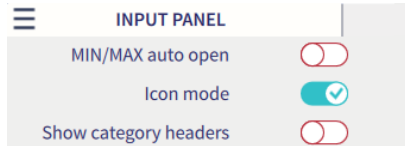
VIEW BAR

& NAVICUBE

- Similar to Process Toolbars
- **View, zoom, visibility** commands & settings
- Arms can be switched
- **Navicube** shows x, y and z
- **Minimize** via hamburger menu
- Fixed position
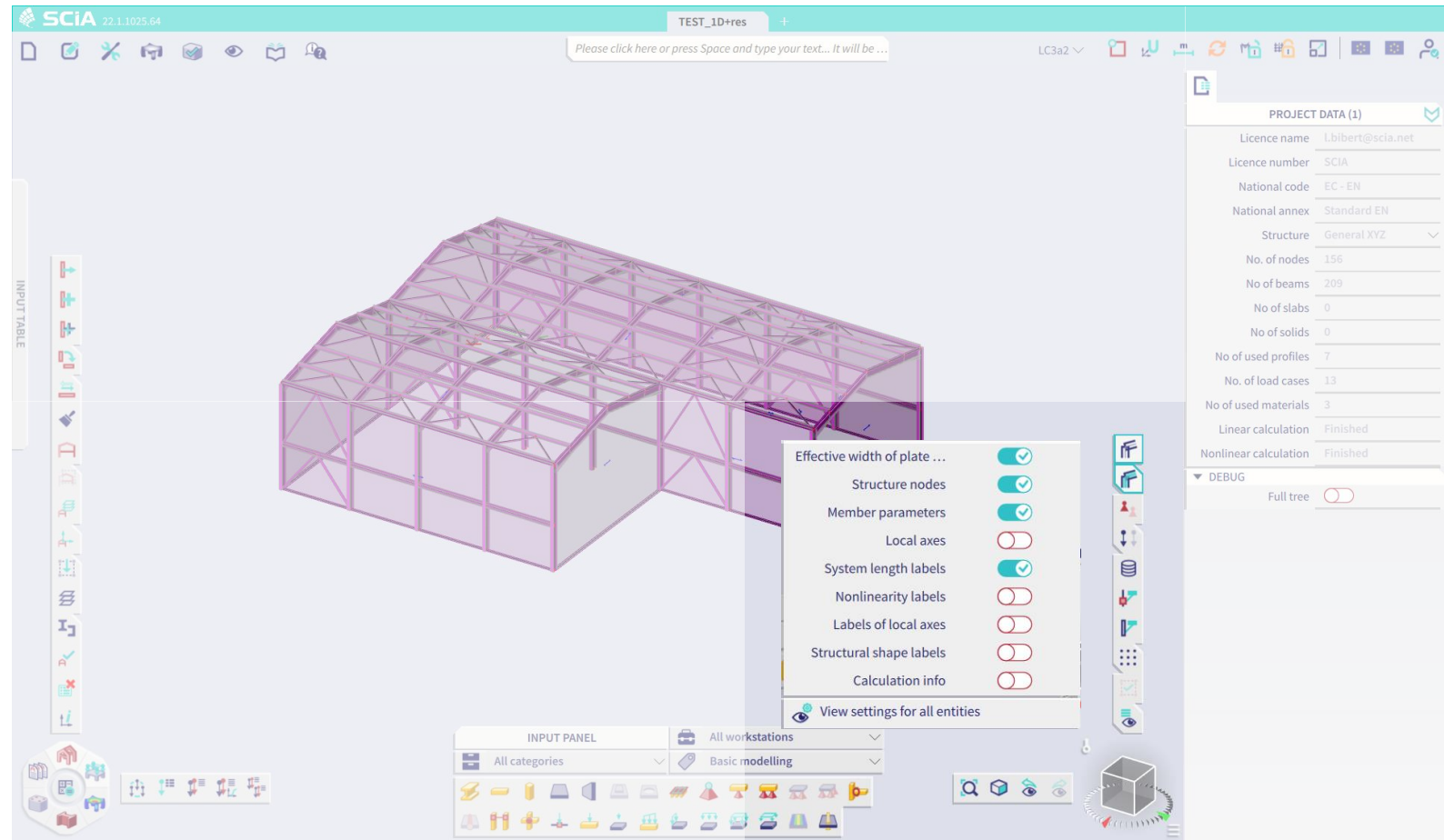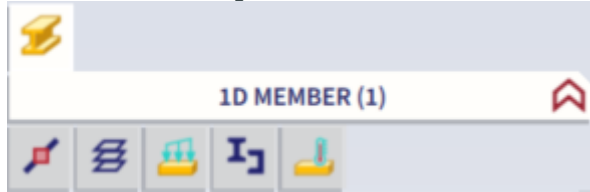
INPUT PANEL

& FILTERS

- **Filters** & workstations
- Drag, dock, tear out, minimize
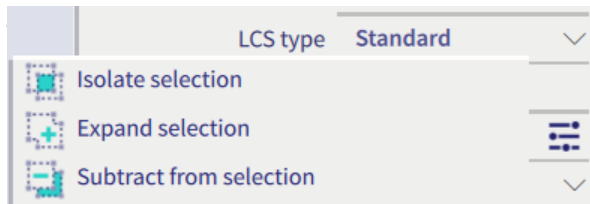- **Icon** mode or command **names**
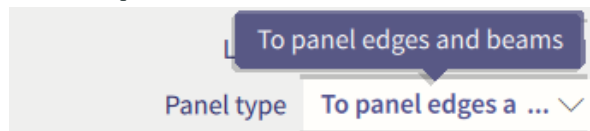- Change **hotkeys**

PROPERTIES PANEL

& RESULTS

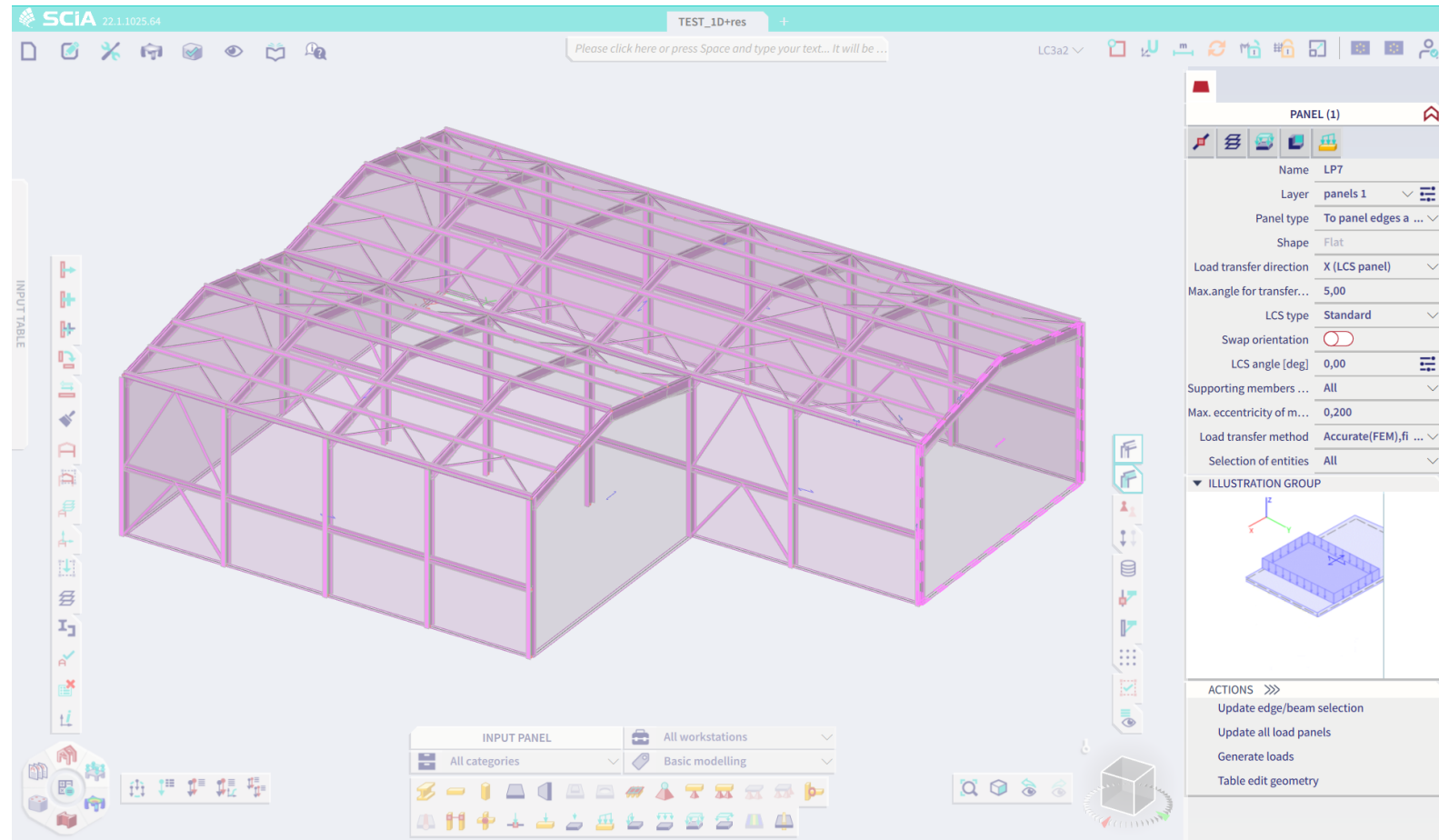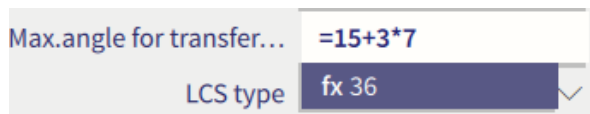- **Selected** objects & **associated** data

- Drag, dock, tear out, minimize

- **Basic / Advanced** mode

- **Selection tools** on right click, even
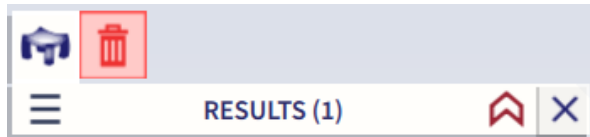

- **Tooltip** on hover

- Formulas

PROPERTIES PANEL

& RESULTS

- Result generation can be **cancelled** from Spotlight
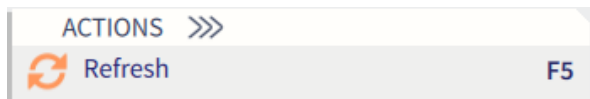

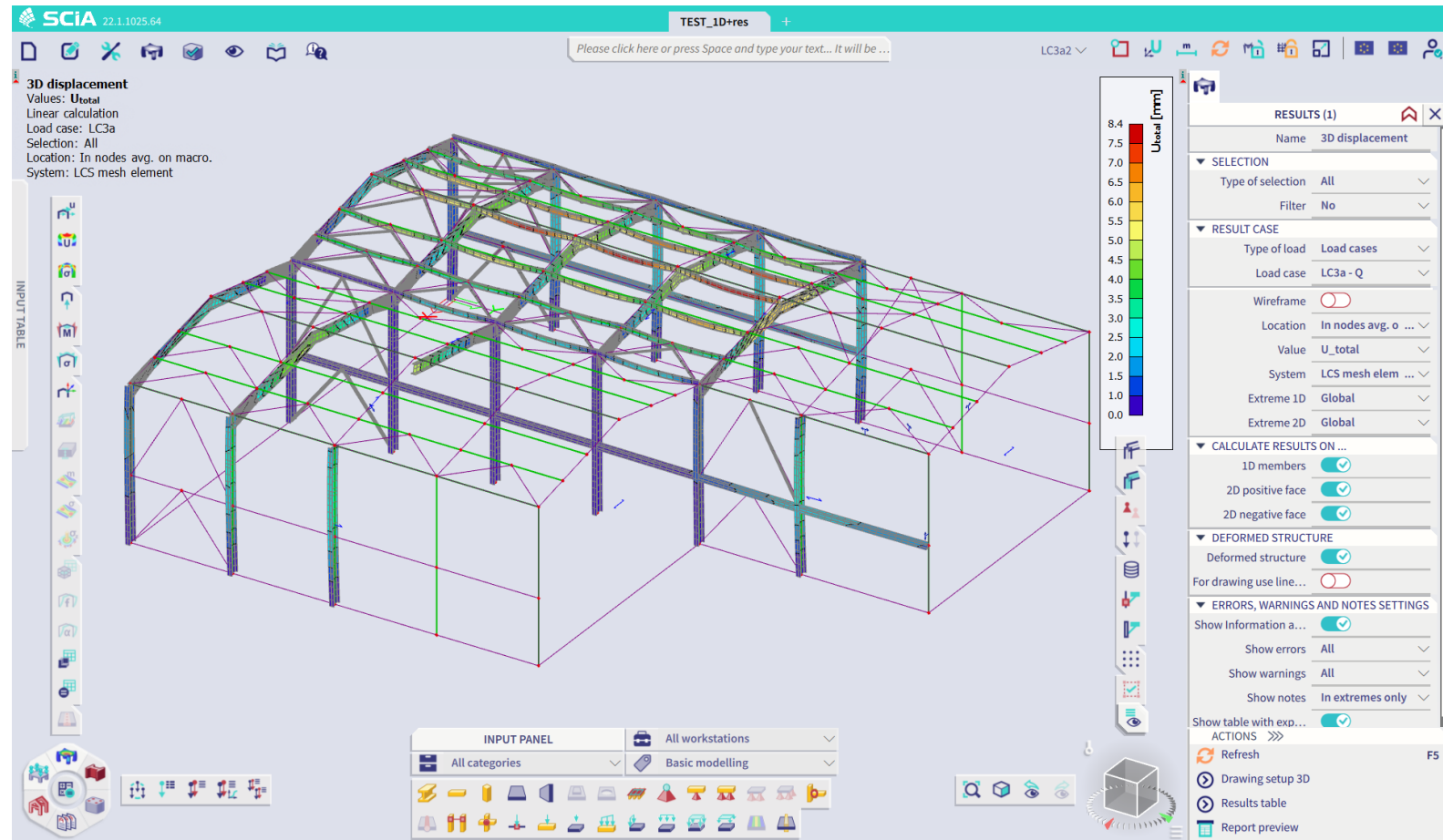
Available part is shown

- **Close** results with bin or close button
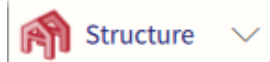

- (Change) Hotkey for **refresh** results

- **Manual/Autorefresh** results & results **lock** in status bar

STATUS BAR

- **Active load case**
  (or absence/mass group)
  Scroll through with arrow keys

- Functions & menus

  - Snap settings
  - Coordinate system
  - Units
  - Refresh results
  - Results lock
  - Grids mode
  - Scales
  - Code & annex
  - Licence settings

INPUT TABLE

SHOW & EDIT VALUES

- Drag, dock, tear out, minimize
- Switch **workstations**

- Switch/remove **tabs**

- Add or remove **columns**
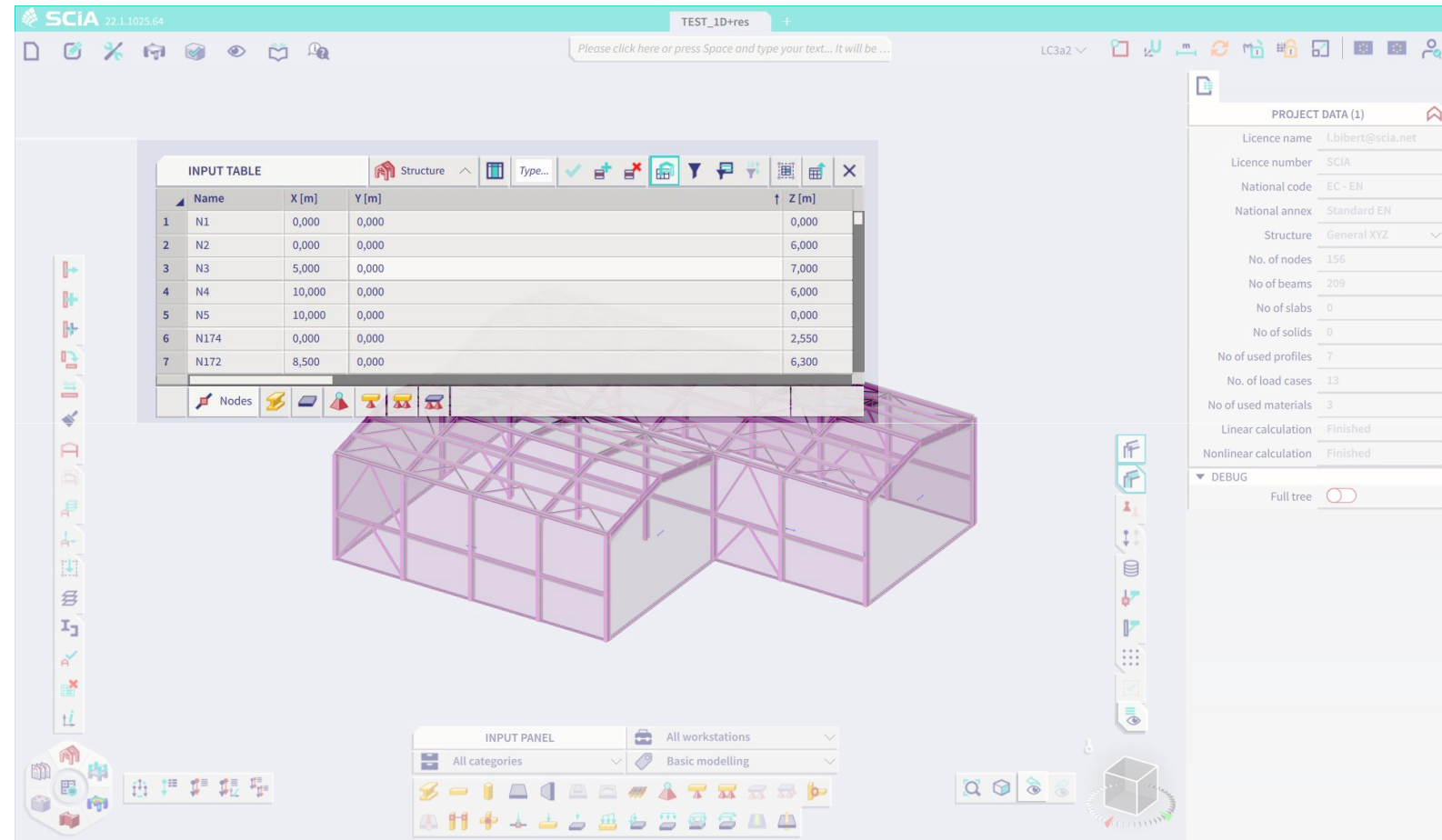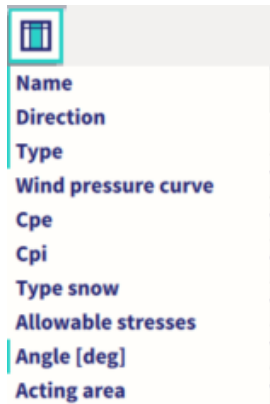
INPUT TABLE

SHOW & EDIT VALUES

- Add or remove **elements**

- **Edit** values with context menu on right click

  Copy
  Paste
  Copy value to editbox

- **Edit** values for **a selection** in the multieditbox

- **Parameters** are supported

MULTIEDIT BOX OPERATIONS

Modify the value of selected cell(s).
Available operations are:

+x : add **x**

-x : substract **x**

__*x__ : multiply by **x**

/x : divide by **x**

~x : round to the closest multiple of **x**

>x : replace by **x**

?x : search the table for **x**

All operators can be typed directly or inserted using the context menu (right-click).

INPUT TABLE

FILTERING & VISIBILITY

- **Filter bar** with conditioning functions

- Filter by **selected rows** or **load case**

- Filter by **visibility in 3D scene**

- Select cells with the **same value**

- **Highlighted** items in **table** are **selected** in **3D scene** and vice versa

- Send table to **report**

RESULTS TABLE

- Drag, dock, tear out, minimize
- Switch, remove, or regenerate **tabs**
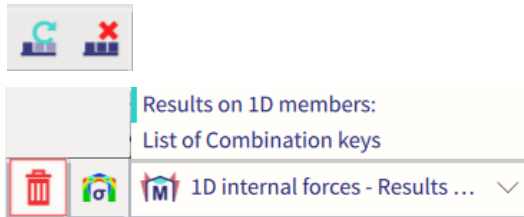
- Add or remove **columns**
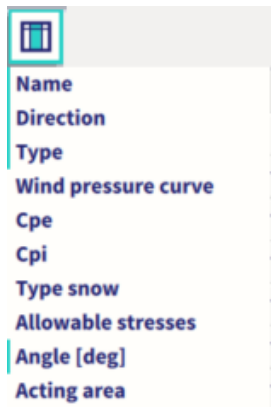
RESULTS TABLE

- Get or update **results** from result panel

- Identify result

- Change **output detail** or **Preview** detailed check

RESULTS TABLE

- **Filter bar** with conditioning functions

- Filter by **selected rows** or **load case**

- Filter by **visibility in 3D scene**

- Show/select items in 3D scene via context menu on right click

Highlight in model
Select related member
Copy
Run detailed check

- Send table to **report** or **export**

  Export current result
  Export all results
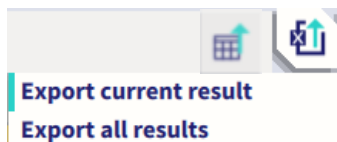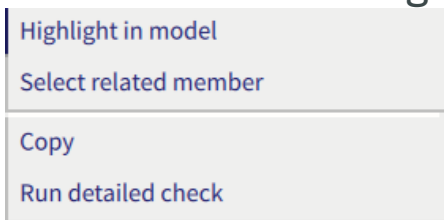
	Name	dx [m]	Case	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kN
×	🔍	🔍	🔍	<200 ×	(10;20) ×	🔍	🔍	🔍	
1	B3	2,550+	CO2/3	-46,83	12,89	0,29	0,00	0,74	-7,15

FILTER CONDITIONS

Given the speficied **condition**, show rows of the table where the value x in the same column is such that...

a : x contains a
=a : x is equal to a
<>a : x is not equal to a
<a : x is less than a
<=a : x is less than or equal to a
>a : x is greater than a
>=a : x is greater than or equal to a
(a;b) or **]a;b[** : $a < x < b$
<a;b> or **[a;b]** : $a \leq x \leq b$

All operators are applicable to numerical, text and boolean values (checkboxes), as well as parameters.

For filtering boolean properties, use values **1** for *true* and *0* for *false*.

REPORT PREVIEW

- Open from result panel, table, spotlight…

Report preview

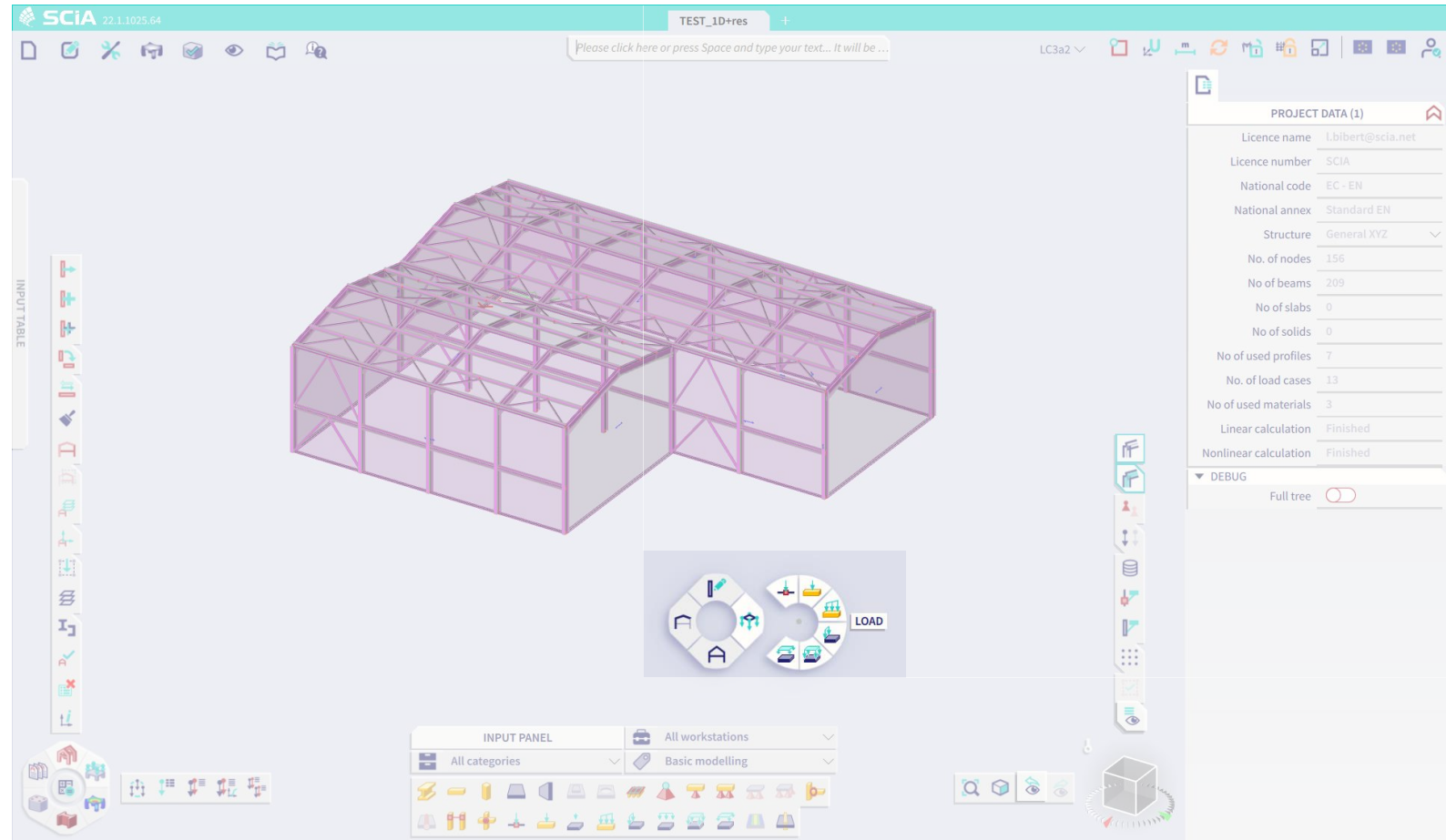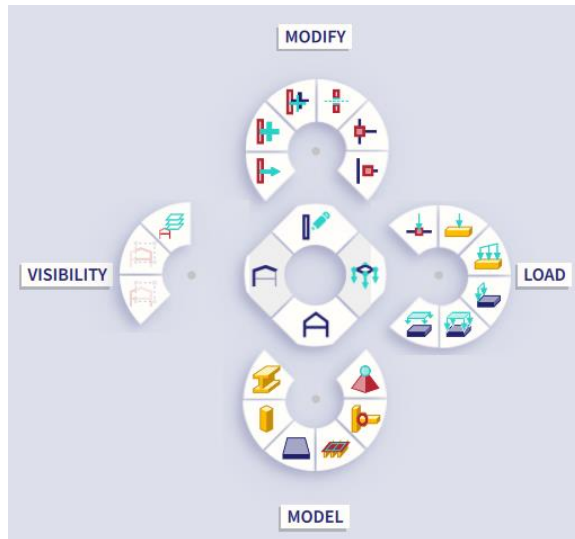- Settings, printing, export

- Zoom

CONTEXT MENU

- **Right click** in 3D scene
- Visibility and image commands
- **Tooltip** on hover
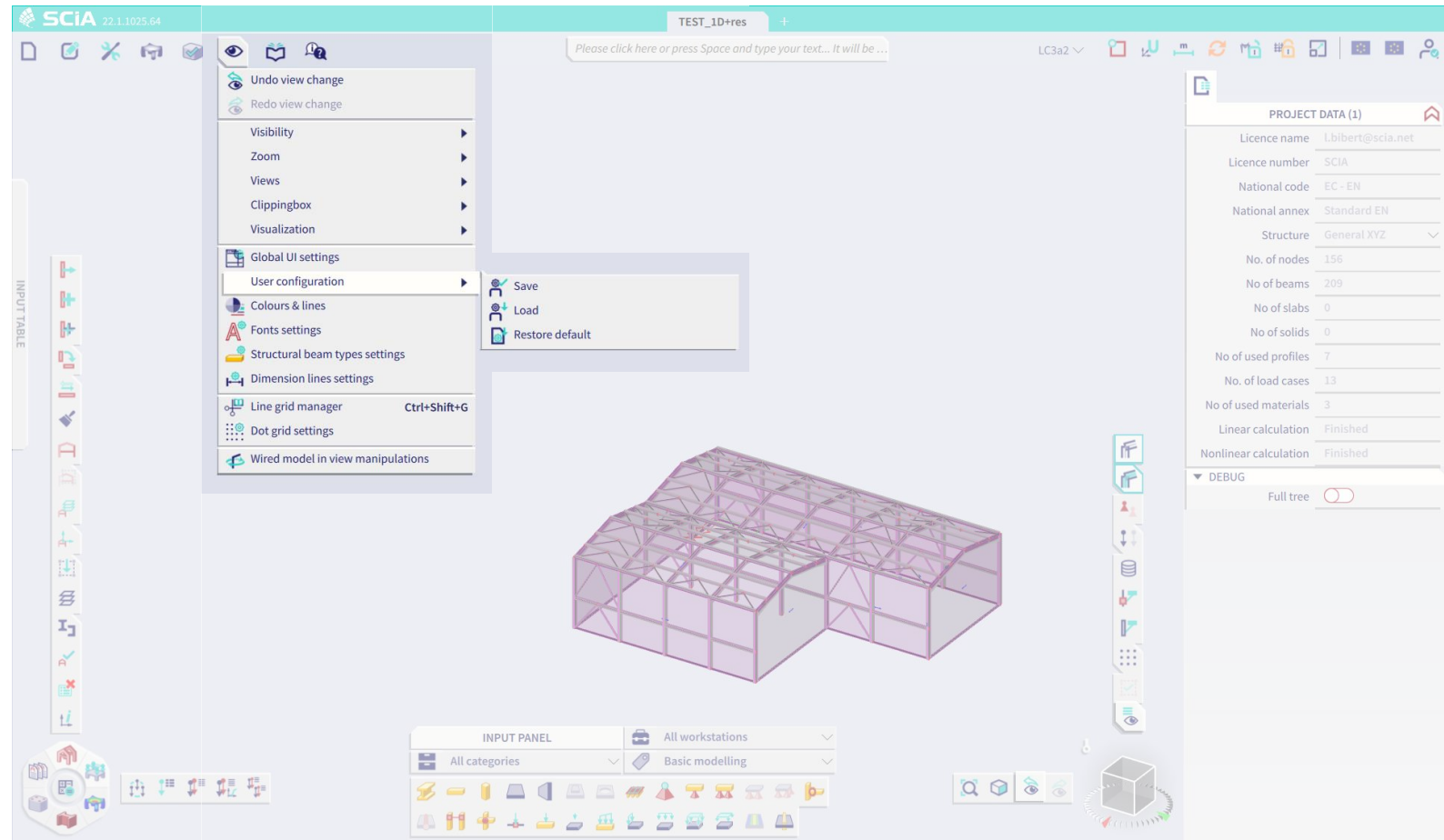- Change **hotkeys**
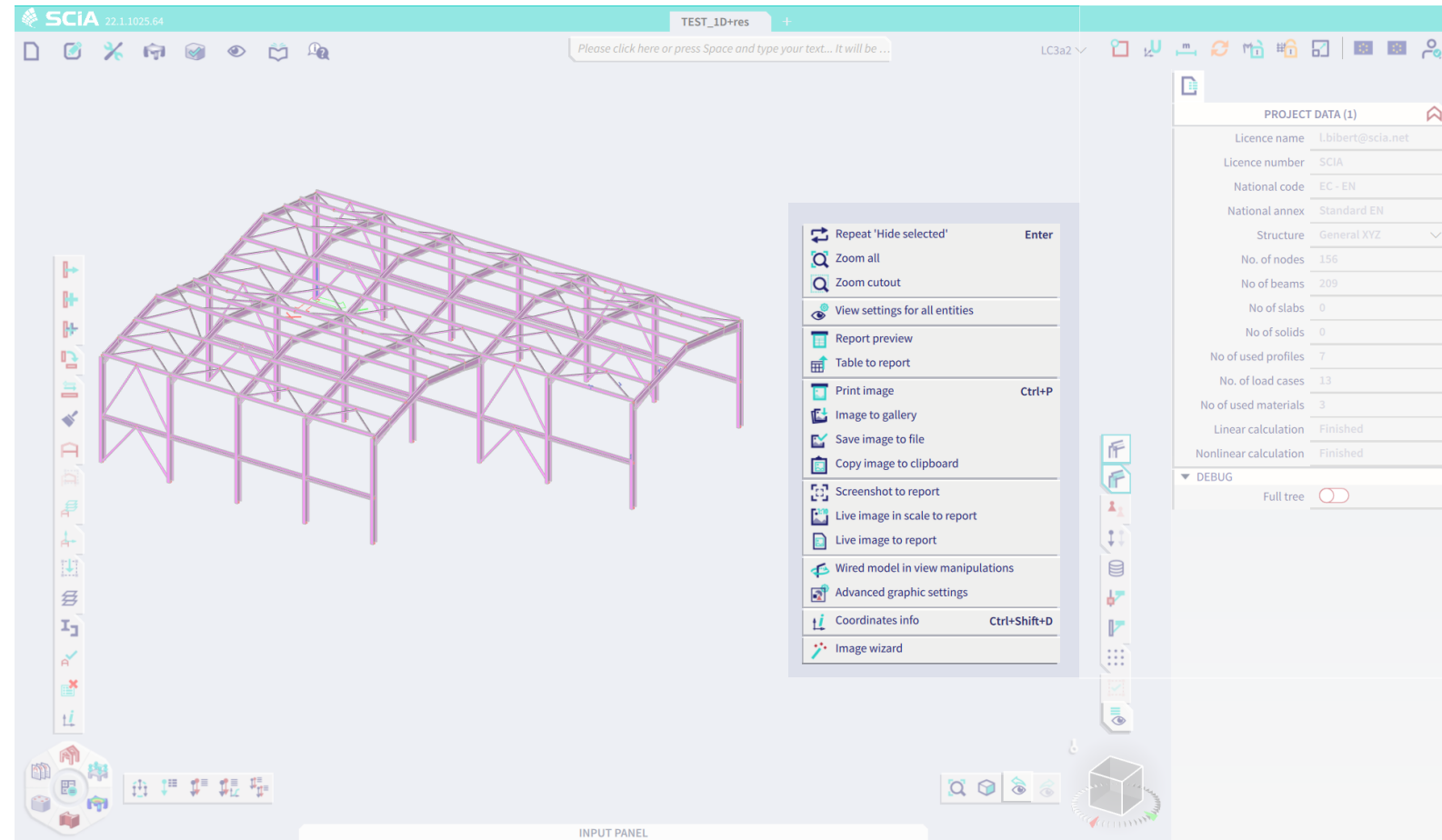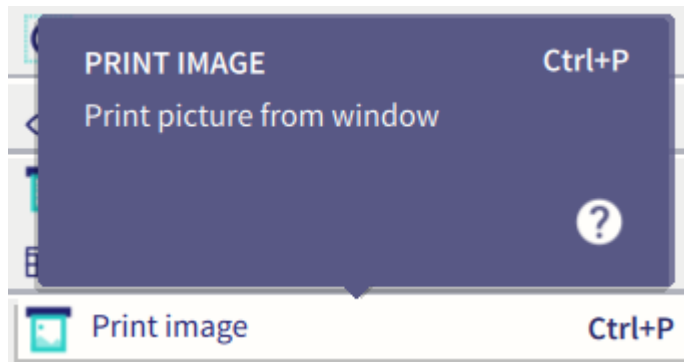
MARKING MENU

- Invisible helper
- **Alt + right click**
- **Fast modelling** on muscle memory
- Fixed commands (for now)
- Best used with **skip input dialog in global UI settings**

CONFIGURATION

- **Personal layout, hotkeys ...** remembered
- Transferred to **new versions**
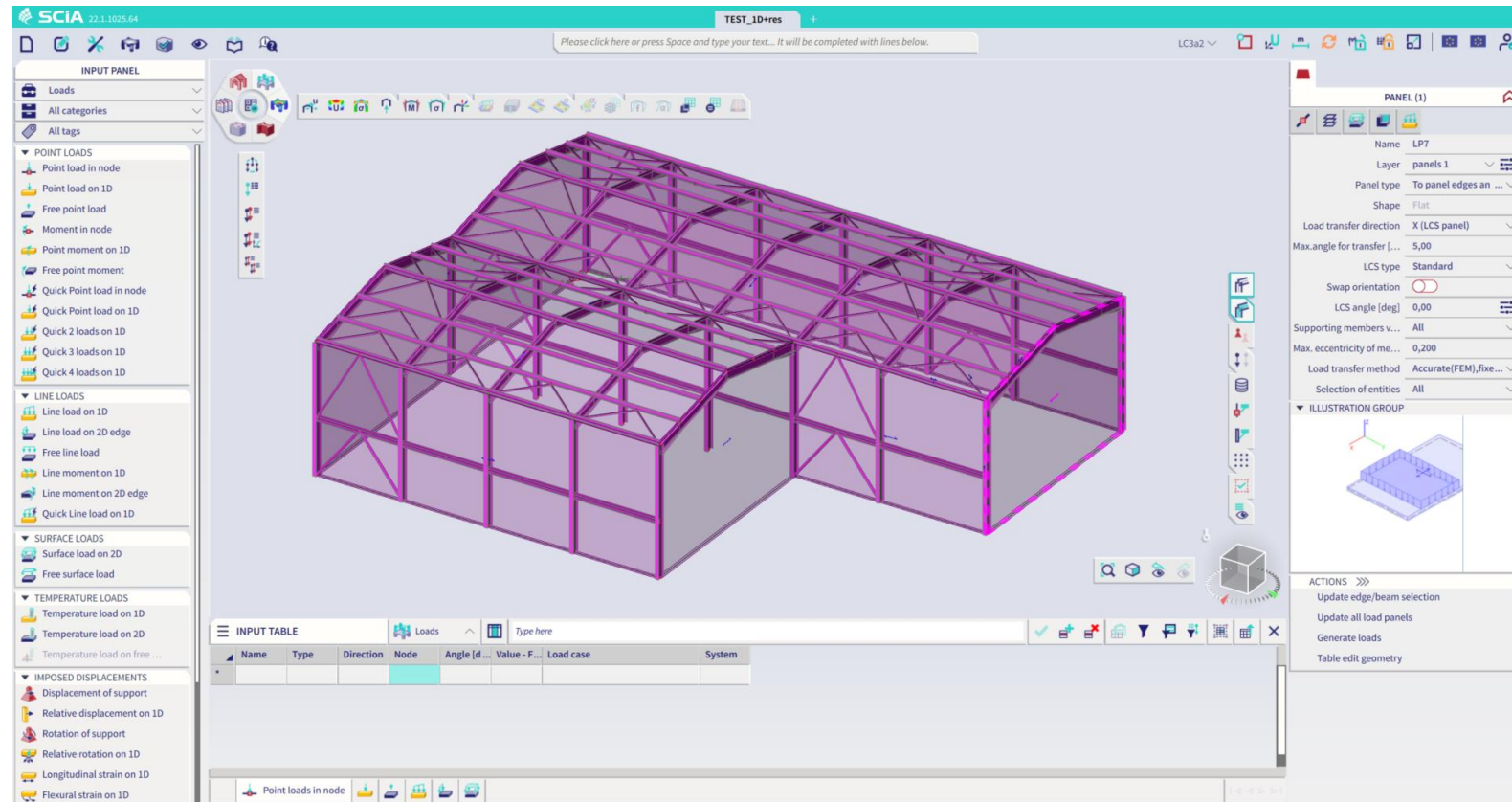- Can be saved in file

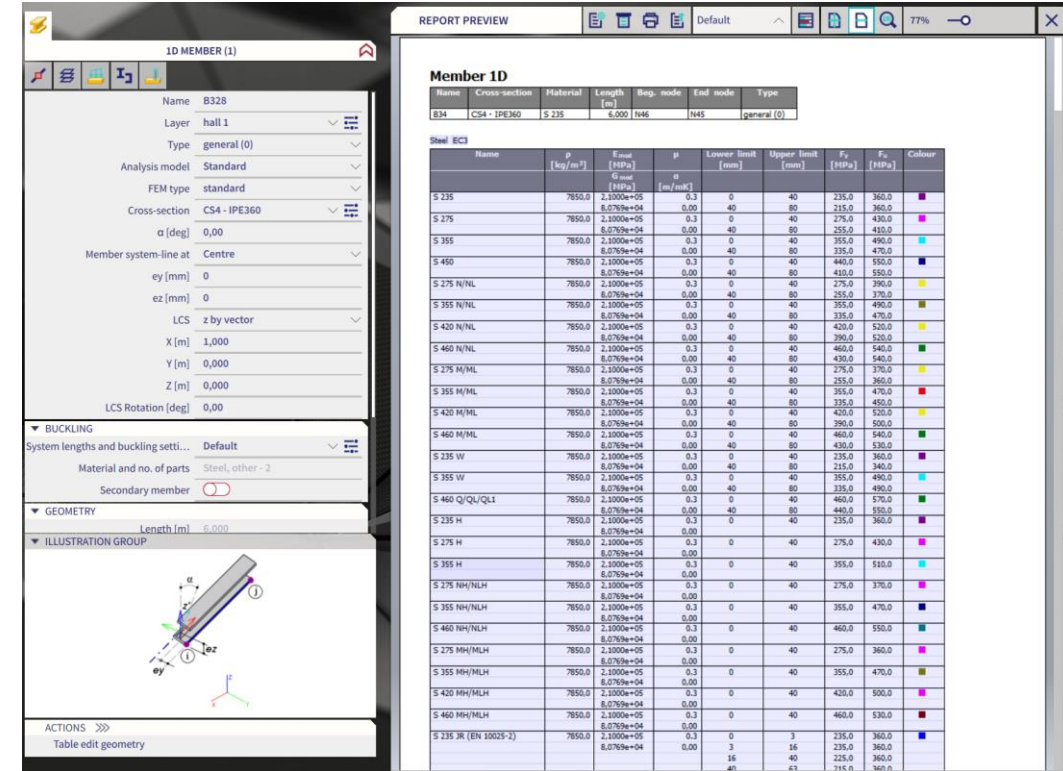- Possible to use the **same configuration** for a group/company
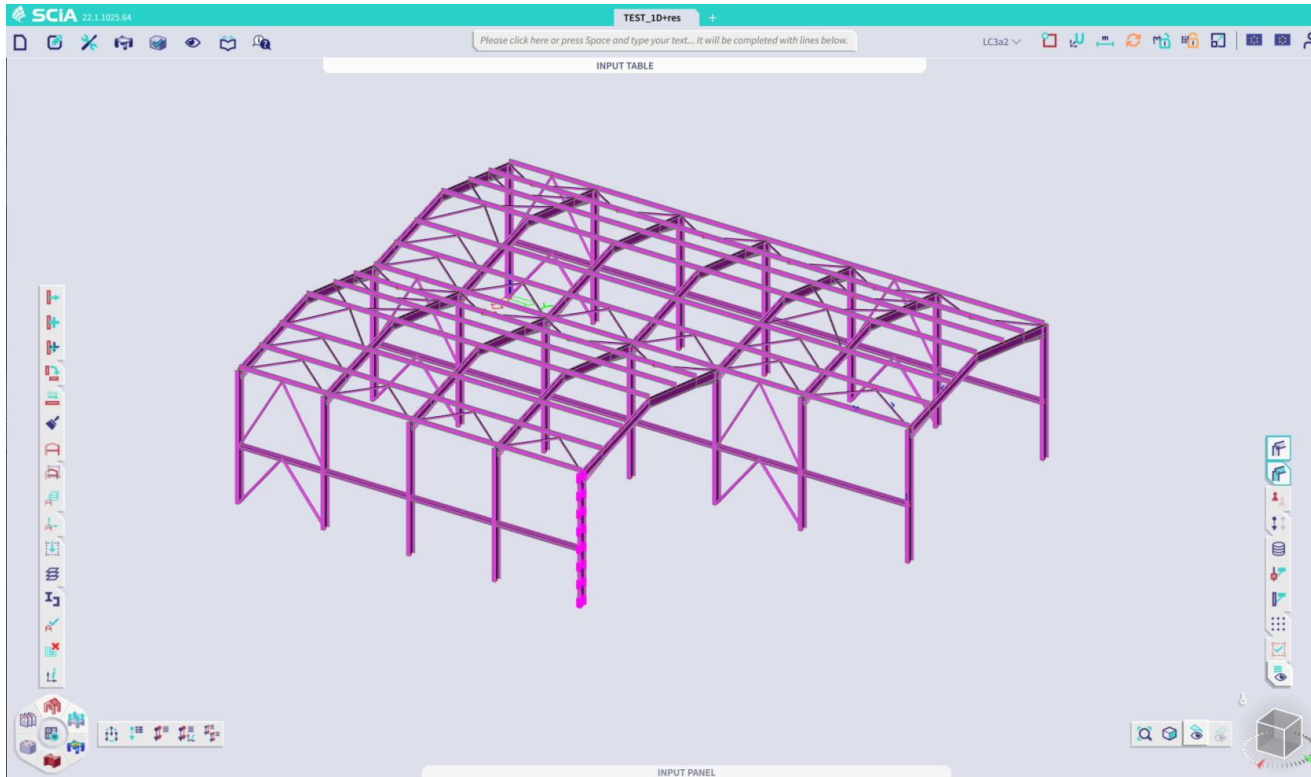
CONFIGURATION

SMOOTHER TRANSITION TO NEW UI

- Example layout
  for **smoother transition**

- **Input panel** left
  Icon mode off
  Category headers on

- **Input table** docked on bottom

- **Process toolbar** top left
  Structure workstation horizontal
  Active workstation vertical

CONFIGURATION

EXPLOIT FREEDOM TO THE MAX

- Example layout
  for **full size model**

First screen
- **Input panel** minimized
- **Input table** docked on top
- **Process toolbar** bottom left

Second screen
- **Properties panel** torn out
- **Report preview** torn out

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