



Feel Empowered

**Faster, Smarter, More accurate
All in the Cadmatic
Environment**

Image courtesy of
Meyer Turku

*We click more
than we create*

*23% of engineering time
spent on non-value-added
work*

@colab



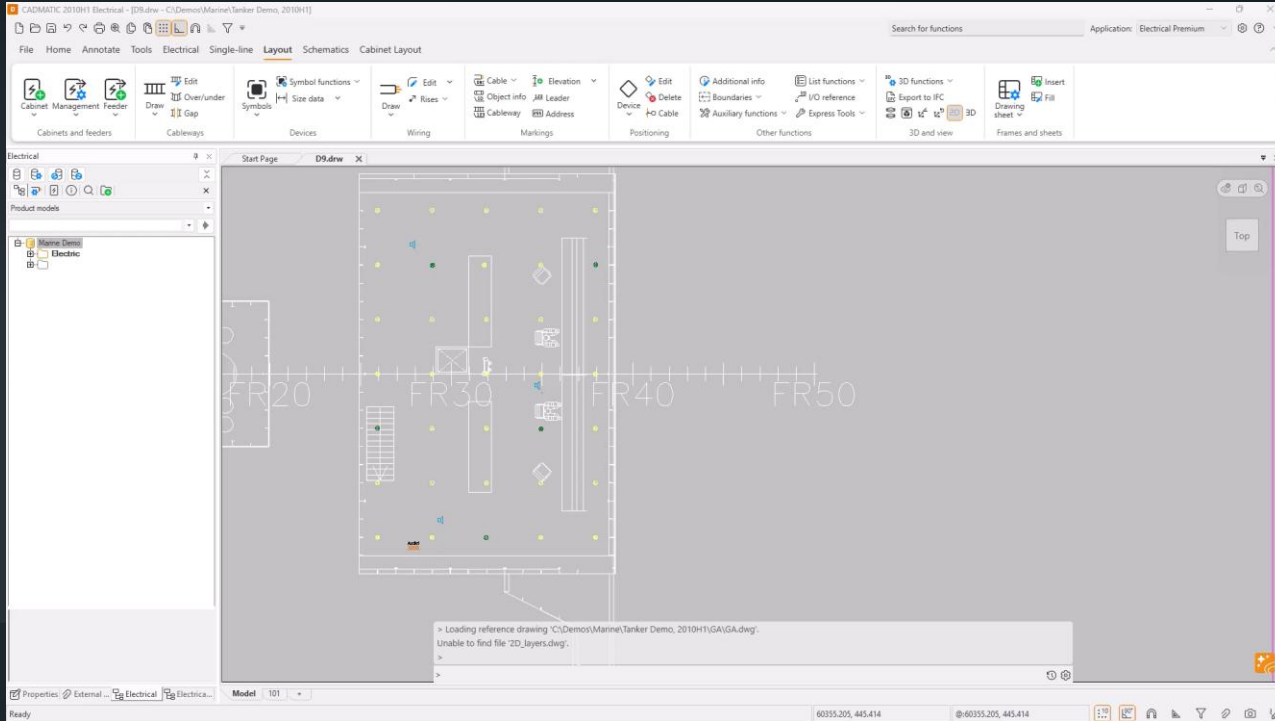
Think. Plan. Execute.



What's real today?



Electrical Db products refresh – Think. Plan. Execute.



AI for library creation: Brackets in $\frac{1}{4}$ the time



AI configuration in eShare

Rules for Extracting Attribute Fragments

You can define new attributes based on existing ones in the model by designing .NET Regular Expressions to extract parts of the attribute values.

Source Attribute

Pattern

Actions

Hull workbreakdown path

(?<wbdlevel1>[^\s]+)?(?<wbdlevel2>[^\s]+)?(?<wbdlevel3>[^\s]+)?(?<wbdlevel4>[^\s]+)?

Ask AI

Test

Delete

AI Assistant - Extract values from 'Hull workbreakdown path'

The assistant will help you to write a regular expression pattern to extract values from the source attribute. It can see the current regular expression written in the pattern input field.

The pattern continues in a similar way for the remaining levels, up to level 10. Each level has a unique named capture group (e.g., wbdlevel3, wbdlevel4) to extract the respective value.

In summary, this pattern is designed to extract values for up to 10 levels of the attribute, using the exclamation mark (!) as a separator between levels.

regex group to find four capital letters, separated by backslash and then eight numbers

To find four capital letters, separated by a backslash, and then followed by eight numbers, you can use the following regex pattern:

```
(?<letters>[A-Z]{4})\\(?<numbers>\d{8})
```

Let me explain the pattern to you:

- (?<letters>[A-Z]{4}) - This named capture group "letters" matches exactly four capital letters (A-Z).
- \\ - This matches a literal backslash character.
- (?<numbers>\d{8}) - This named capture group "numbers" matches exactly eight digits (0-9).

You can use this pattern in your regular expression to extract the desired values.

Clear chat

Transform your plant into a fully functional digital twin

Without traditional 3D modeling: point clouds + automatic label detection powered by AI



What's coming?

- Smarter agents.
- More autonomy.
- Deeper integration.



Data-driven collaboration



Every stakeholder gets the right information, in the right context, at the right time and in their own language

CADMATIC AI



Has someone already completed this work?



Yes, the task was completed by X.Y. on Monday, 30th of June 2024



What was the internal instruction about this task?



It was explicitly asked by A.B. to contact the outfitting engineer V.W.



Has it been procured already?



It is pending approval from M.N.



How will splitting the shell plate affect the design?



Splitting of a shell plate into two will require additional seams and may affect the overall strength and stability of the hull. The seams need to be carefully designed to ensure they do not become weak points in the structure



Data-driven collaboration



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Jane Collins 1:32 PM
Has someone already completed this work?



CADMATIC AI Agent 1:32 PM
Yes, the task was completed by X.Y. on Monday, 30th of June 2024.



Rebecca Moore 1:33 PM
It was explicitly asked by A.B. to contact the outfitting engineer V.W.



Michael Chen 1:34 PM
Has it been procured already?



Rebecca Moore 1:35 PM
How will splitting the shell plate affect the design?

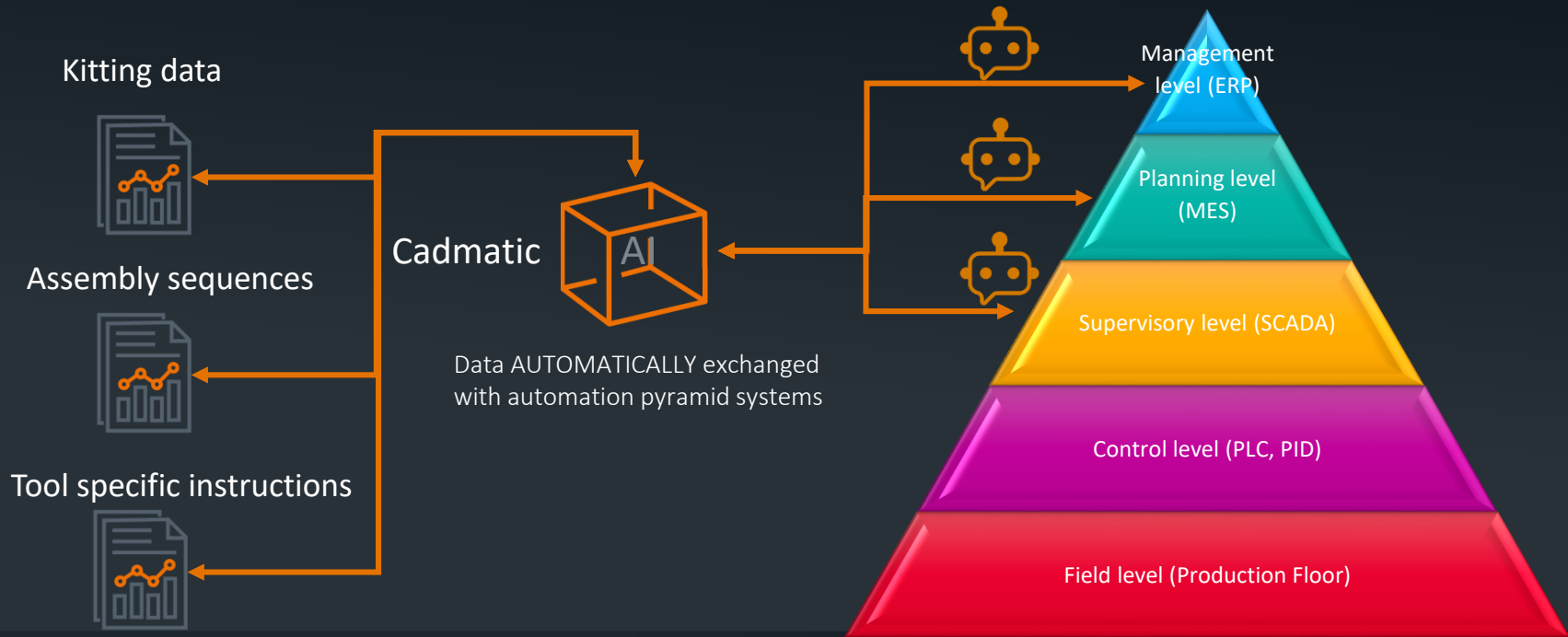


CADMATIC AI Agent 1:35 PM
It is pending approval from M.N.



CADMATIC AI Agent 1:35 PM
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Agentic Yard: where 10 Engineers lead 1000 AI agents



AI Agents automate production workflow, using enriched data

AI-driven weld traceability



Report of assembly weld lines.

Machine instructions(~MES data).

Advise on resulting shrinkage.



Class rules



Shipyards knowledge

Your data, your edge



On-prem / private-cloud containers; zero data leakage.

The right intervention at the right time is where humans shine.

