

Keynote

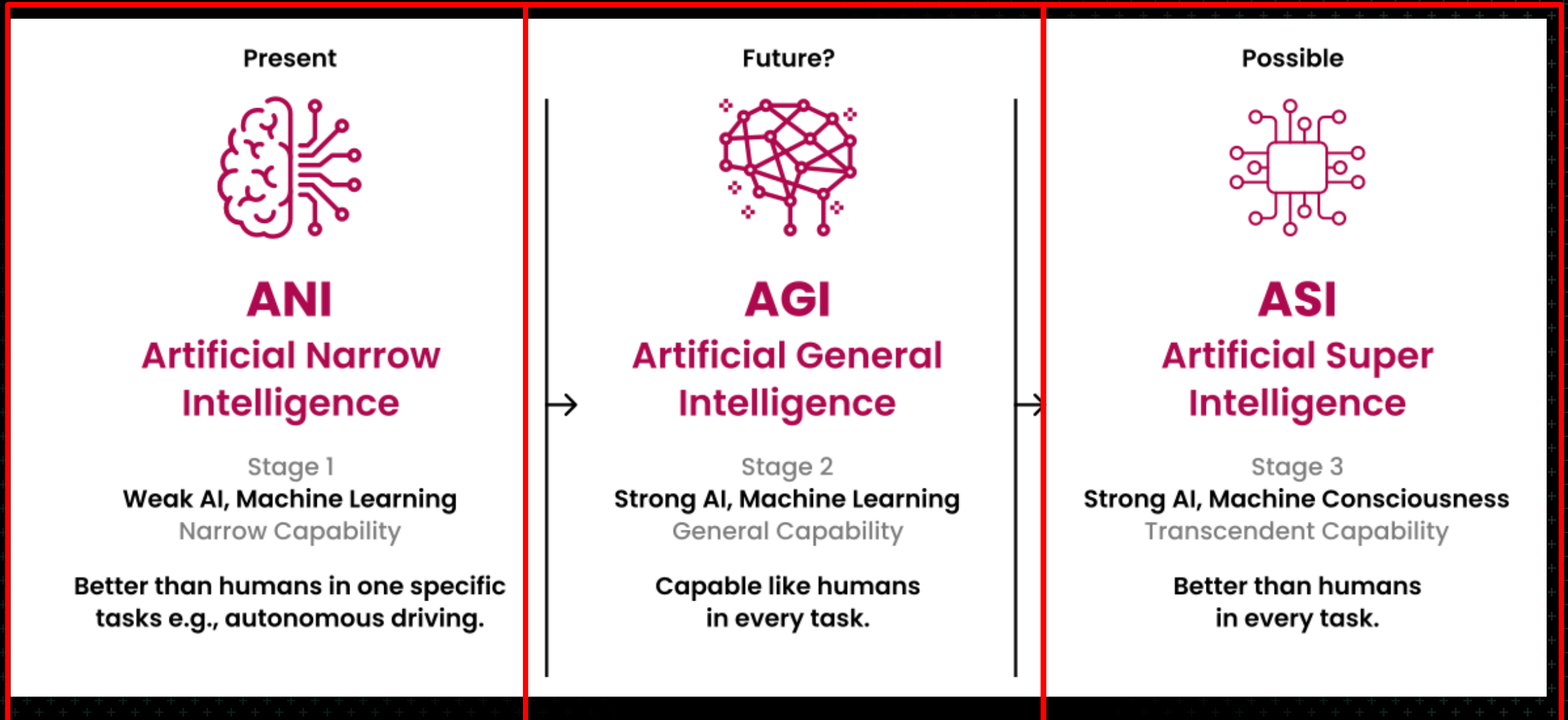
Christophe Dufourmantelle, 6 Février 2025



Agenda

- Keynote - PB & IA
- Roadmap PowerBuilder
- Nouveautés PB 2025 - 1ère partie
- Code & Collaboration : Plateforme Web pour maintenir les Applis PB
- Envoie d'e-mails en masse depuis une applications PB
- Intégration de PowerBuilder avec Microsoft Entra ID (Azure AD)
- IA & localisation des applications multilingues
- Q&A
- Nouveautés PB 2025 - 2ème partie

PowerBuilder & IA – State of the Art



ANI – Forces et Faiblesses

- Generative AIs ([Claude](#), [MidJourney](#), [Google Veo2](#))
- Reasoning AIs ([OpenAI O1](#) & [O3](#)).
 - Graduate-Level Google-Proof Q&A test ([GPQA](#))
Experts (81%) VS O3 (87%)
- Co-Intelligence ([Article](#))

6. Reference Dose (RfD) Conversion Error:

This is the major identifiable arithmetic mistake. The paper states:

"...the U.S. BDE-209 reference dose of 7000 ng/kg bw/day (42,000 ng/day for a 60 kg adult)..."

Let's verify this conversion:

- $RfD = 7000 \text{ ng/kg-day}$
- For a 60 kg adult: $7000 \text{ ng/kg-day} \times 60 \text{ kg} = 420,000 \text{ ng/day}$, not 42,000 ng/day.

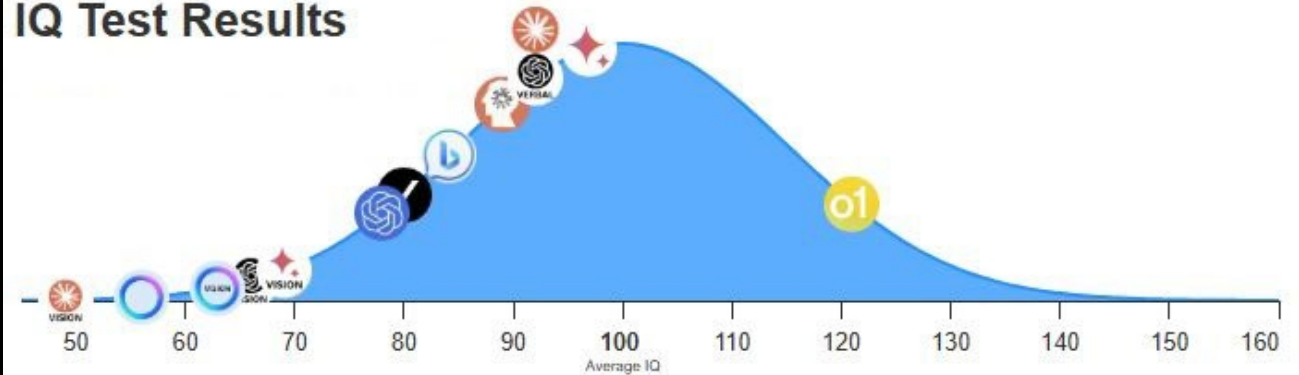
The paper is off by a factor of 10. The correct value should be 420,000 ng/day. This is a significant arithmetic error in reporting the daily equivalent of the reference dose.

ANI – Forces et Faiblesses

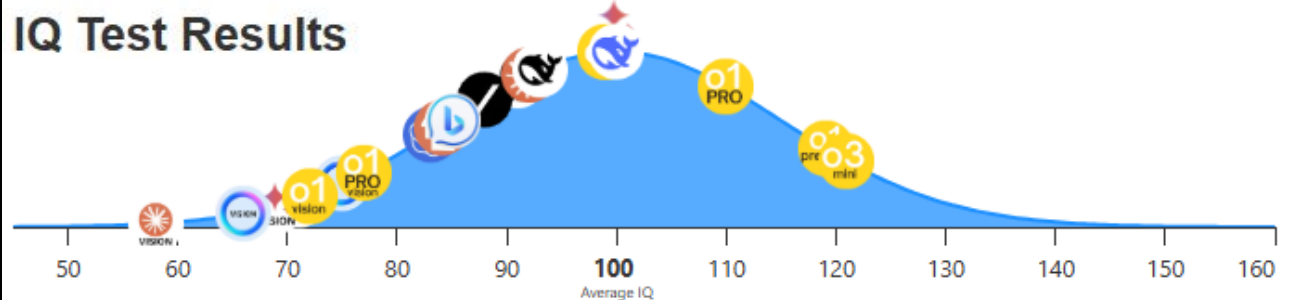
- Des progrès rapides...



IQ Test Results



IQ Test Results

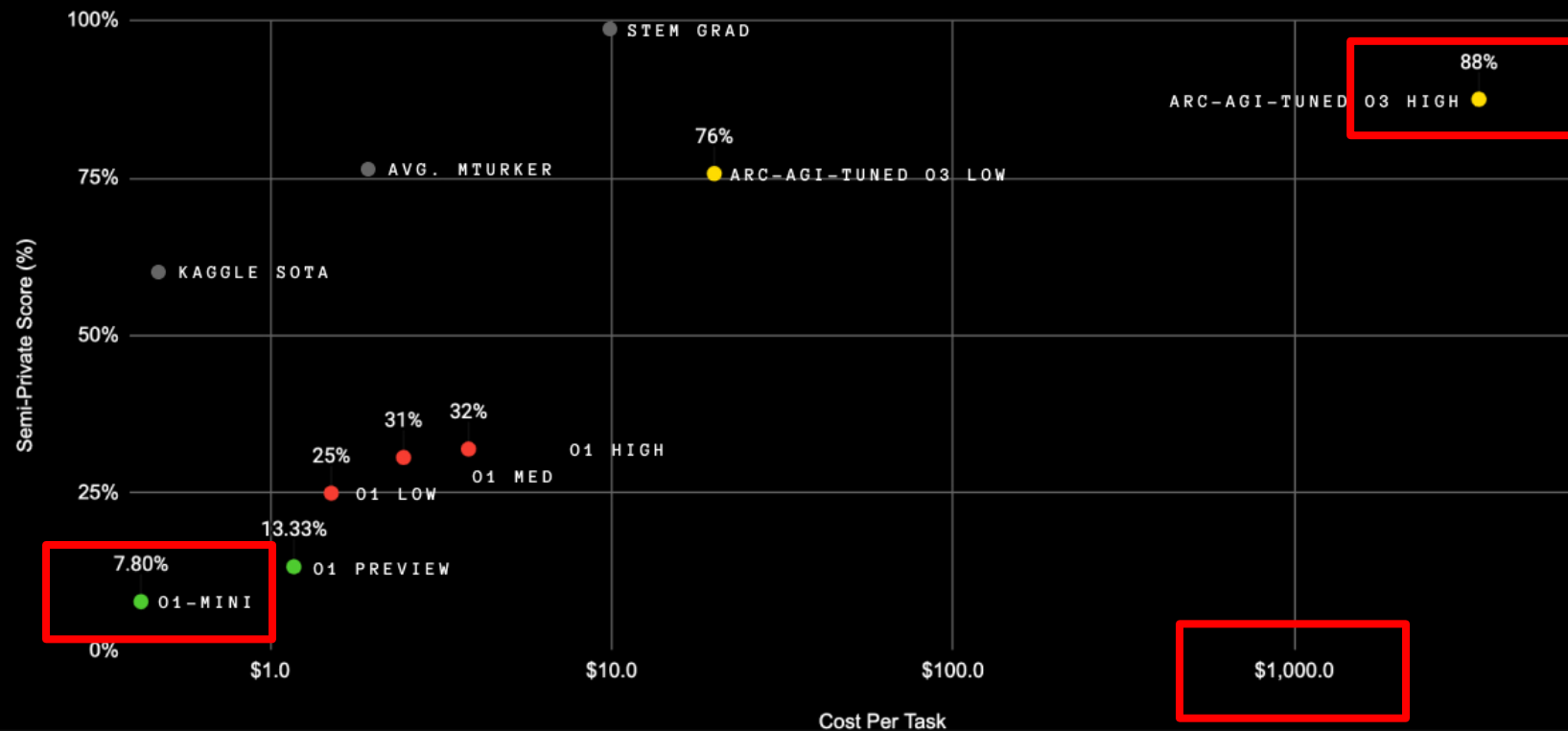


GPT4 Omni (Vision)	GPT4 Omni	ChatGPT-4
Claude-3.5 Sonnet	Grok-2	Gemini Advanced (Vision)
Gemini Advanced	Claude-3 Opus (Vision)	Bing Copilot
Llama-3.2 (Vision)	Llama-3.3	Claude-3 Opus
OpenAI o1 (Vision)	OpenAI o1	OpenAI o1 preview
OpenAI o3 mini high	OpenAI o3 mini	OpenAI o1 Pro
DeepSeek V3	DeepSeek R1	OpenAI o1 Pro (Vision)

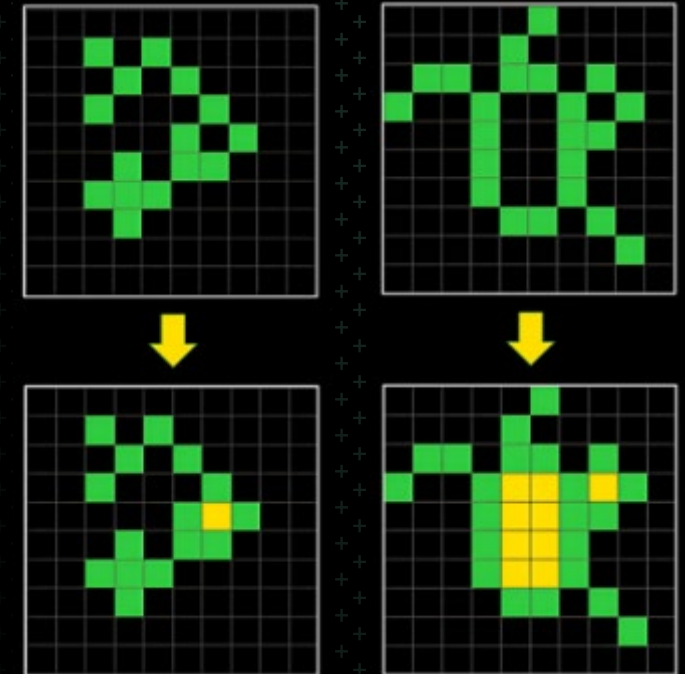
ANI – Forces et Faiblesses

...et des limitations importantes

- Entrainement obligatoire
- L'intelligence coute cher!



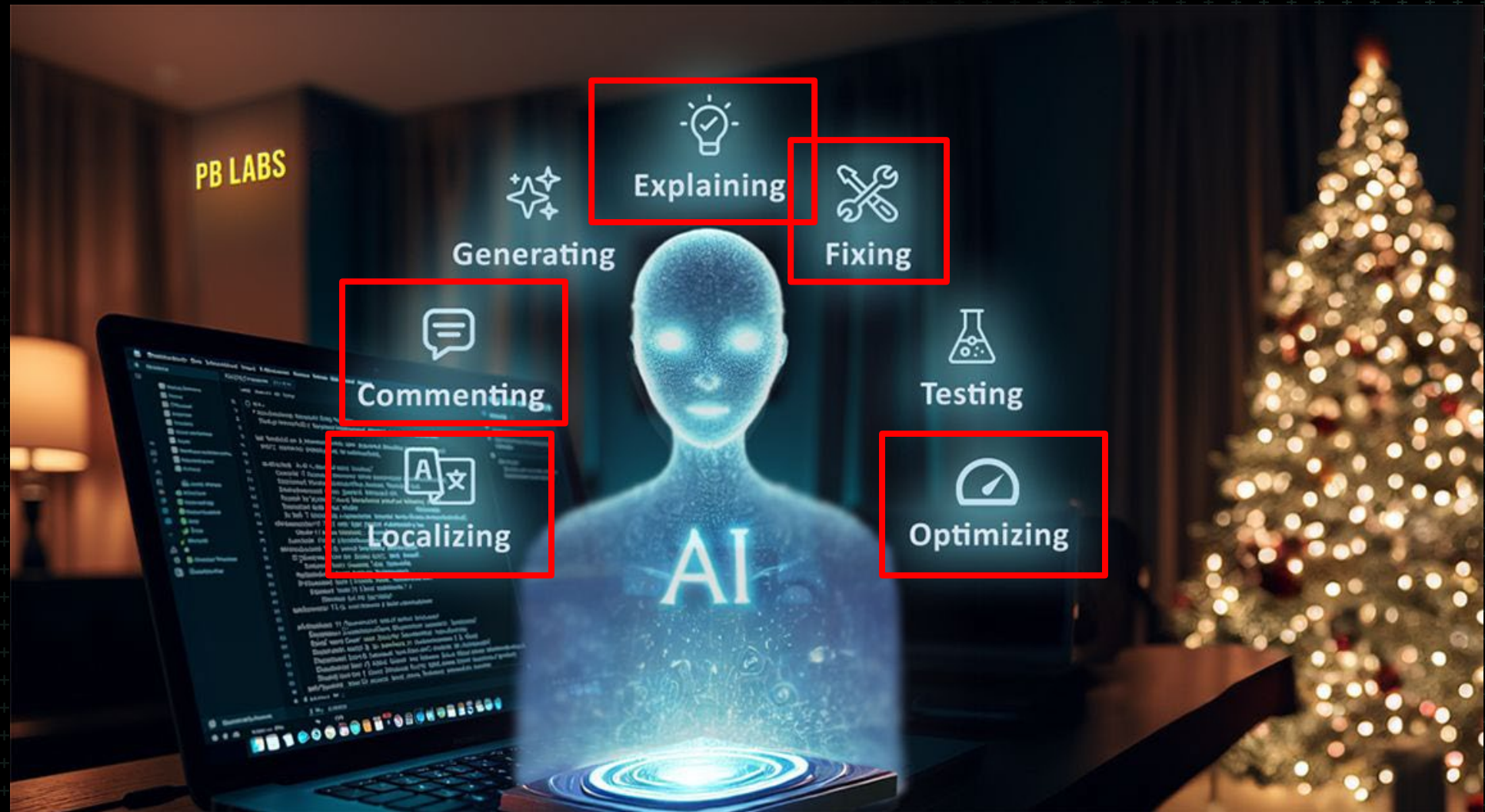
(ARC-AGI)



ANI – Pour résumer...

- Faut-il l'utiliser?
- Co-intelligence
- Le bon service...
- ...au juste prix

Quid de l'IA pour PowerBuilder ?



Merci

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