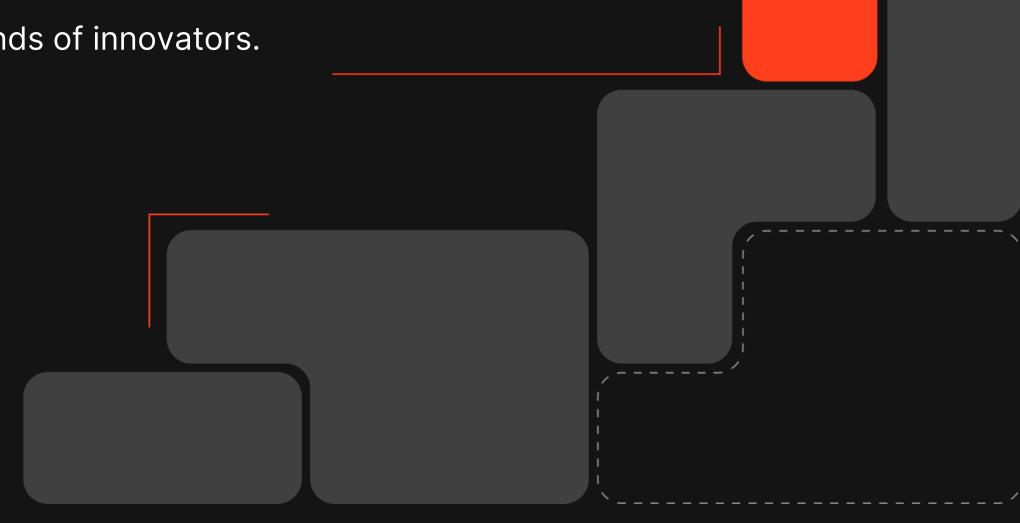
ENABLE EDGE AI PRODUCTS YOU DREAM OF

Simply bringing the power of chips into the hands of innovators.

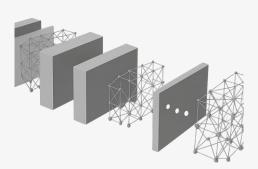




BUILDING EDGE AI PRODUCTS IS STILL PAINFUL

Proof of concept

Trained ML model







3-6 months

"My model is not supported."

"My model is too slow."

"How does the deployment work?"



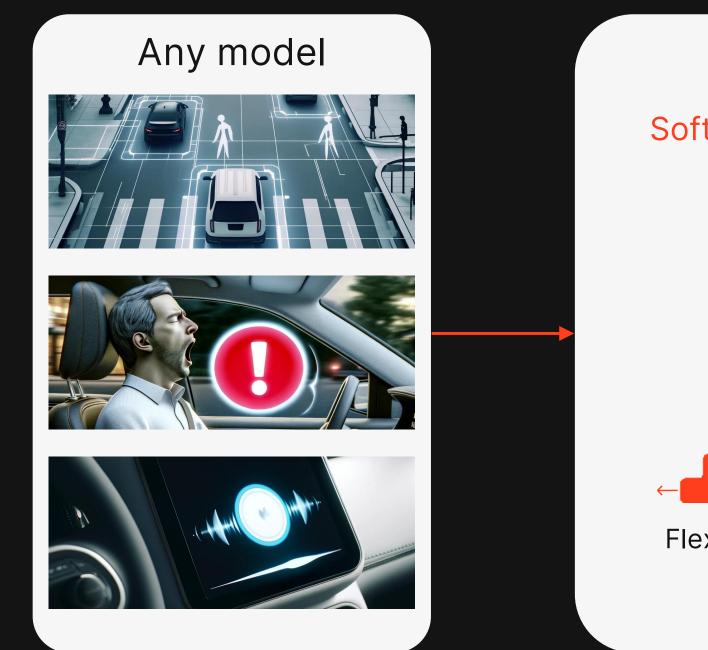
Edge Al product

Diverse, complex, and heterogeneous chips

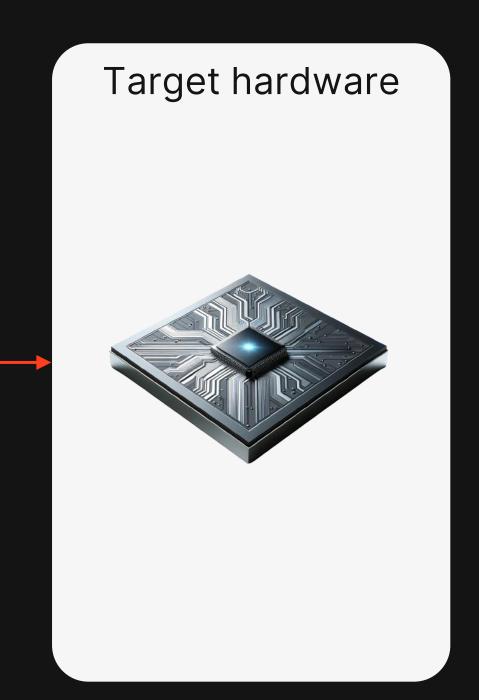




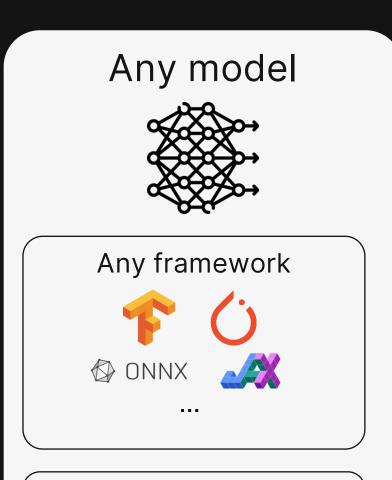
WE ENABLE CHIPS TO EFFICIENTLY RUN ANY MODEL

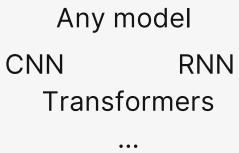


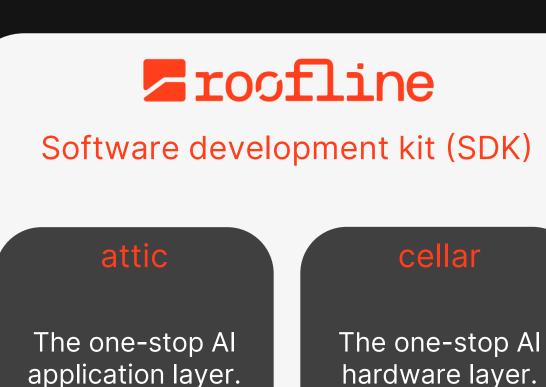




AN ADAPTIVE AND RETARGETABLE SDK BASED ON NEXT-GEN AI COMPILER TECHNOLOGY



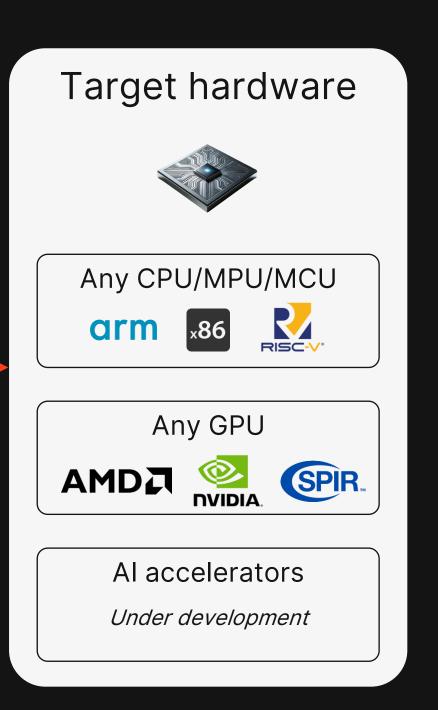




Any network, any

framework!

CPU, GPU, NPU you name it!



LLM SUPPORT

WE HAVE DAY-O SUPPORT FOR NOVEL, MULTIMODAL LLMS

deepseek janus-pro-1b

- Multimodal model supporting text-to-text as well as image-to-text and text-to-image
- Not supported by llama.cpp bug report has been open for ~2 months
- We could run the model out of the box
- We achieve ca. 8x improved latency vs TorchInductor

Find the demo here (link)



```
ziereis@4090 ~/r/roof-mlir (03-12-rooflm_part8_entry_and_docs)> rooflm generate janus_f16.vmfb --token]
izer-id="deepseek-ai/Janus-Pro-18" --protocol=roofqx --prompt="My favorite color is orange because " --stream --max-new-tokens=100 2> /dev/null
Python version is above 3.10, patching the collections module.
Running warmup...
```

TorchInductor

```
ziereis@4090 ~/r/roof-mlir (03-12-rooflm_part8_entry_and_docs)> rooflm generate "deepseek-ai/Janus-Pro] = -18" --tokenizer-id="deepseek-ai/Janus-Pro-18" --protocol=torch --prompt="My favorite color is orange because " --stream --max-new-tokens=100 2> /dev/null

Python version is above 3.10, patching the collections module.

Running warmup...

Generating text for prompt: My favorite color is orange because

My favorite color is orange because
```

Please note: janus-pro-1b f16 running on AMD Ryzen 9 7950X



ABOUT US

WE BRING THE EXPERTISE TO ENABLE YOUR AI DEPLOYMENT

Founded by Al compiler and Al system engineers from RWTH Aachen University.

Built around a core team of ex-AMD engineers, researchers and strategists.

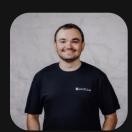
Multi-million funding secured from public institutions and private investors.



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