



PORTFOLIO

VIETNAM IRENDER TECHNOLOGY
JOINT STOCK COMPANY



ABOUT US



iRender is the pioneer and only cloud computing service provider in Vietnam offering 2 main services:



Cloud Computing

For training AI/Deep Learning models



Cloud Rendering

For 3D graphics and architecture

BUSINESS MODEL

IaaS: Infrastructure as a Service

Pay-per-use & **Subscription** method

CUSTOMER TYPES

B2B

B2C

TECHNOLOGY INFRASTRUCTURE

CPU

GPU

Server virtualization platform

VISION

POPULARIZE CLOUD COMPUTING SERVICE IN VIETNAM

CORE TEAM



Co-Founder

Nguyen Thanh Trung



Founder -CEO

Le Quang Hieu



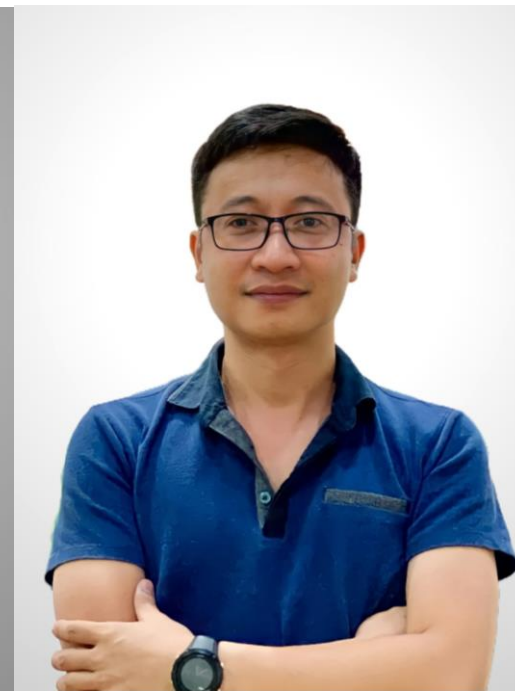
CTO

Luong Van Ly



CFO

Pham Hong Nhung



Co-Founder

Truong Cong Thanh

ACHIEVEMENTS



ISO 9001:2015

Quality Management Systems



ISO 27001:2013

Information Security Management System



STEC

Science & Technology Enterprise Certificate



Stevie Awards

GOLD STEVIE® Award for
Infrastructure as a Service Solution category



2 Sao Khue Awards

Cloud Computing service and Big Data
Digital Startup Solutions



Top 10 ICT Awards

Top 10 Digital Startups



RECOMMENDATIONS

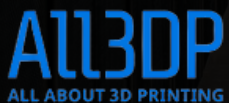
iRender is a paid service based in Vietnam that provides access to powerful PCs with CPUs and GPUs that meet Lumion's 'High-End' requirements. Getting set up with iRender takes a few steps. They have quick and friendly customer service that can help you throughout the process. iRender is one of the four cloud rendering services that Lumion recommends.



Lumion

Well-known real-time rendering software
<https://support.lumion.com/hc/en-us/articles/360003455374>

iRender is a render farm based in Vietnam. They offer a rendering platform-as-a-service solution with GPU server rendering, data processing, and other GPU/CPU intensive jobs. The iRender data center is also solar powered, so you can feel good about the environmental impact of your projects.



ALL3DP

World's #1 3D Printing Magazine
<https://all3dp.com/2/best-render-farm/>



CGDirector Founder

Alex Glawion
<https://www.cgdirector.com/best-online-render-farms/>

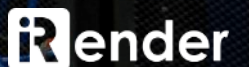
iRender ranked first in the top 5 render farms 2021. At iRender, you can install any software and applications on the remote servers. IaaS functionality allows you to take full control of the physical servers. In addition, they support NVLink for RTX 2080Ti and RTX 3090 cards.



Radarrender

Radarrender Founder

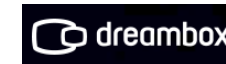
Heylay
<https://radarrender.com/top-5-best-render-farms-2021/>



OUR CUSTOMERS

The foundation of our success is built upon the partnerships we have created with our customers through quick response, and by providing appropriate solutions enabling our clients to handle their technology infrastructure issues effectively, and thereby shortening sharply their time and optimizing their expense. We are glad to serve over 30 000 customers in over 100 countries in the world. In Vietnam, our typical customers **FPT software, VNG Game Studio, 2Grey, dotmill, Bito Studio, Appolo Studio NFT** etc.

We have dedicated and professional customer support team with high-quality service for both businesses and individuals. iRender provides 24/7 online support to customers in 2 main languages which are English and Vietnamese. iRender's target in 2022 is to expand support to at least 2 languages, namely Japanese and Korean. The satisfaction rate of customers is always above 90%.



OUR PRODUCTS

01

GPU CLOUD FOR AI,
DEEP LEARNING

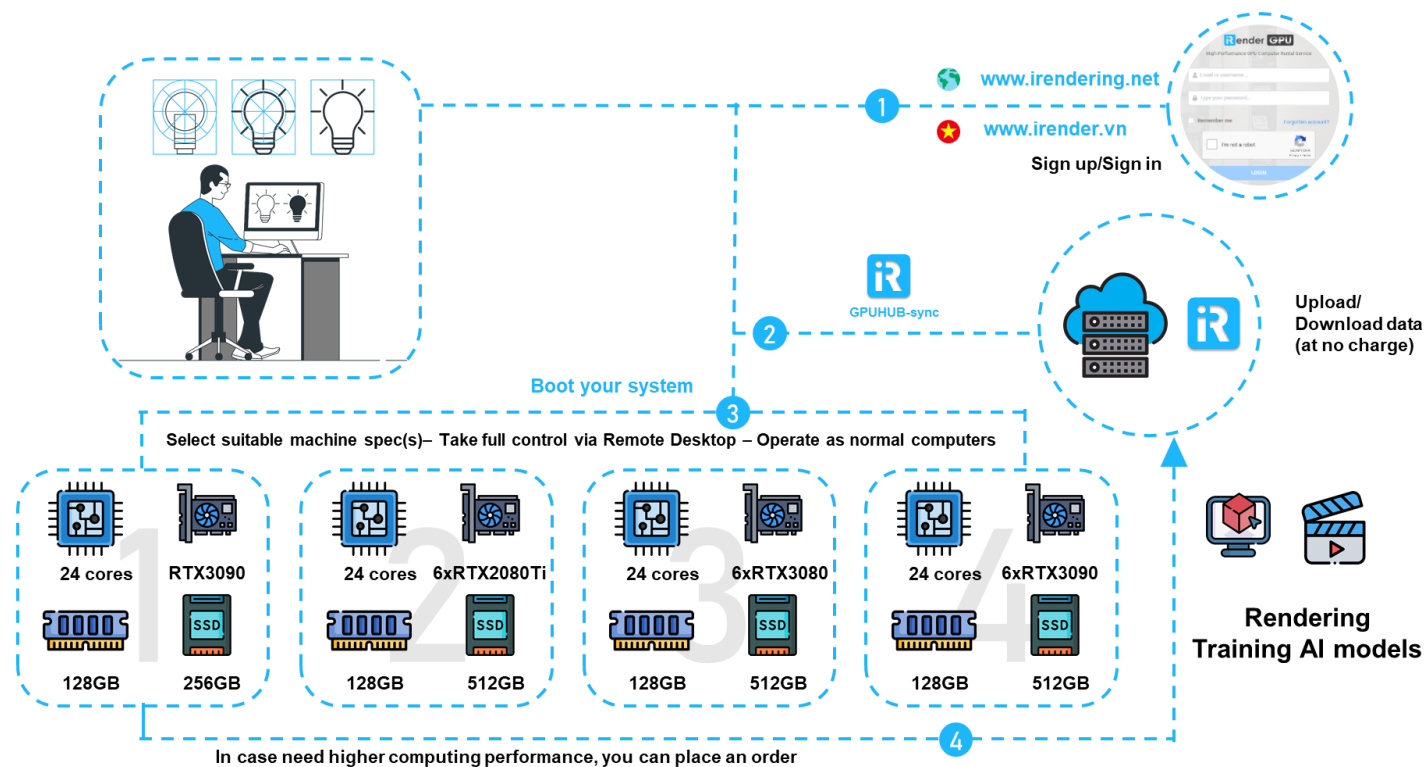
02

CLOUD RENDERING

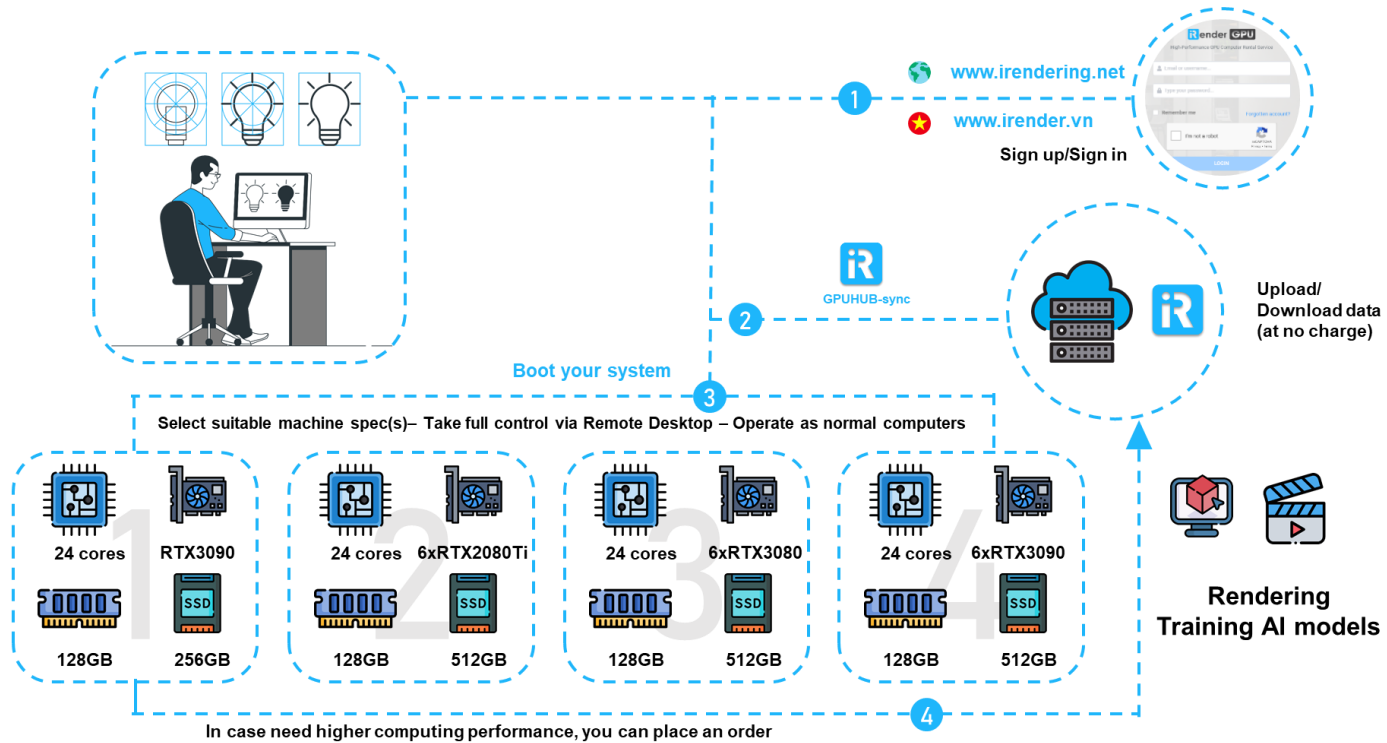
GPU CLOUD FOR AI, DEEP LEARNING

To reduce your operating system and speed up your computer to Build, Train & Tune the model of your AI, Machine Learning, Deep Learning projects, iRender provides GPU Cloud with super strong and top-of-the-line graphics cards. With only 5 clicks, you can easily get access to the world-class GPU computing servers and control the fully GPU Cloud platform.

We provide pre-installed systems (template workload) with available AI software such as TensorFlow Enterprise, Jupyter, Anaconda, PyTorch, MXNet, Keras, CNTK and so on. Enjoy the freedom and take advantage of easy and cost-effective scaling up the hardware infrastructure from your own workstation. It's Convenient and Familiar!



CLOUD RENDERING



Infrastructure-as-a-Service

Rent servers in the IaaS model (Infrastructure as a Service) at your disposition and enjoy working with scalable infrastructure.

iRender provides high-performance machines for GPU-based & CPU-based rendering on the Cloud. Designers, artists, or architects like you can leverage the power of single GPU, multi GPUs, or CPU machines to speed up your render time. You get access to the remote server easily via an RDP file; take full control of it and install any Design Software, Render Engines & 3D Plugins you want on it.

DIFFERENTIATORS

1. BARE METAL SERVERS

- Customers have full control of the [physical servers](#)
- Customers can utilize [100%](#) of hardware resources including CPU, GPUs, RAM, Storage, etc
- [Automatic](#) System and 24/7 Available

2. SAVING USERS'S WORKING ENVIRONMENT

- Users only need to install the server [once](#) that will be saved and available to use for the next time

3. FREE DATA TRANSMISSION TOOL

- Transferring data to the remote server [at no charge](#)
- Data Storage is up to [Terabytes](#)
- Transfer speed is [1 GBps](#)

4. MEETING HIGH-END REQUIREMENTS

- Support [any software](#) and [application](#)
- Meeting [high-end](#) hardware requirements of much software

SYSTEM FEATURES

Besides unique features, there are many extra features that we have been developing to enable your business to optimize your workflow and make you satisfied our service.

OPEN PORT

Open ports help network devices and operating systems communicate with each other and transmit the correct information in the appropriate way.

CLONE

Clone feature was launched to help customers duplicate their image (working environment), which can save their set up time for other images.

NVLINK

Connecting graphics cards thanks to NVLink can be scalable memory and performance in respect of VRAM, Bandwidth, CUDA cores, etc.

CHANGE PACKAGE

Hardware change feature supports customers to change machine specs package easily and flexibly.

HARDWARE FIXATION

Hardware fixation feature is to fix the server's MAC address which is a unique identifier that is assigned to a NIC (Network Interface Controller/ Card).

OTHER FEATURES

Other features: **Snapshot, Scheduler, Fixed rental**, ...

WHY US?

TIME SAVINGS

Reducing by 70 % of your time to train AI models or rendering,

TIER III DATA CENTER

Data Center is located in Vietnam that meets Tier III Certificate – the highest standard of DC quality in Vietnam. 99.99 % Uptime SLA

COST SAVINGS

Cutting down to 50-80 of your money for hardware investment, electricity bills, maintenance expenses,...

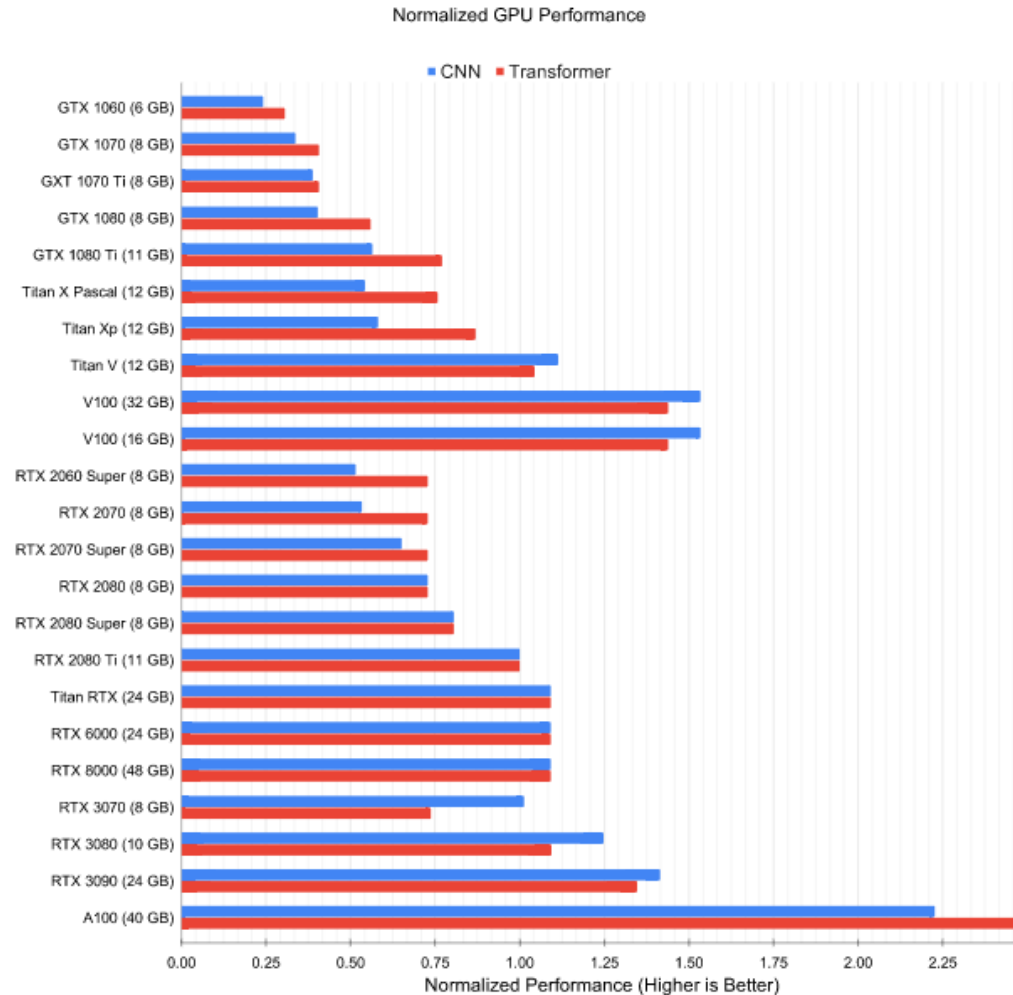
CUTTING-EDGE HARDWARE

Cutting -edge hardware with top -of -the - line graphics cards such as RTX 3090. Each iRender physical server was built from multiple GPUs which accelerate computing performance sharply.

TECHNOLOGY ADVANTAGES

Our model is Infrastructure -as - a - Service (IaaS) which enables your business to have full control of physical servers and customize your projects at ease.

GPU PERFORMANCE



Source: timdettmers.com

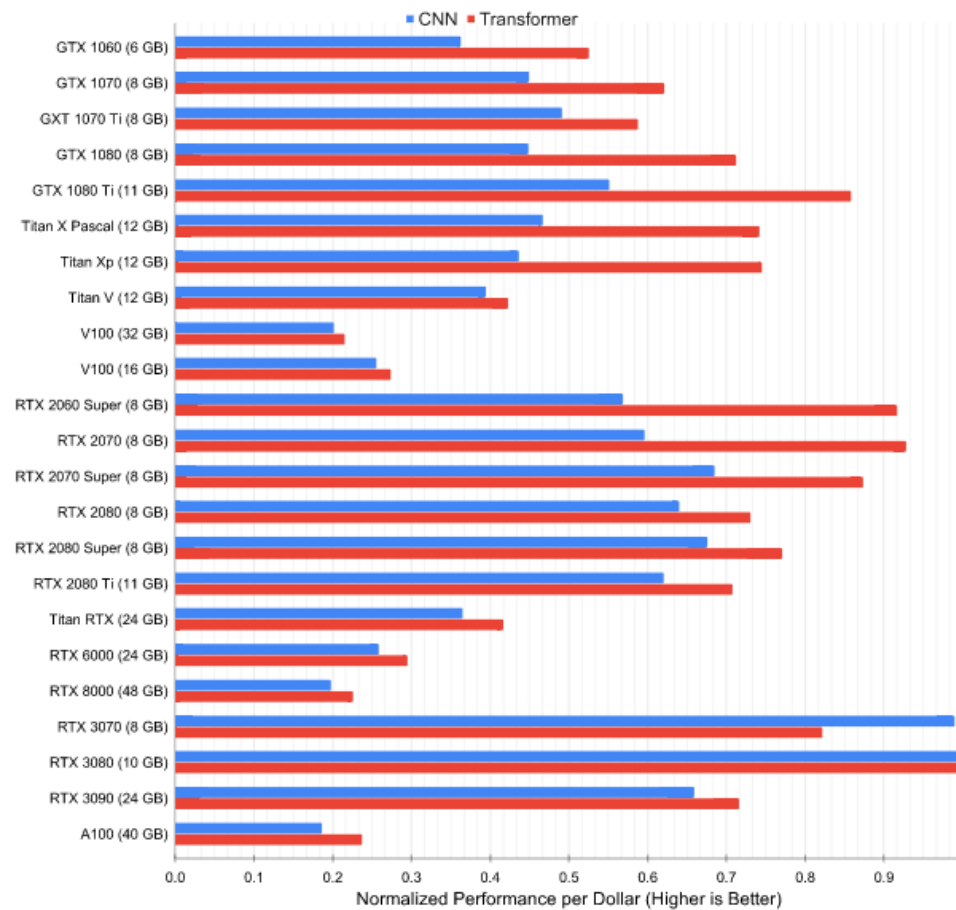
The compute performance of the RTX 3090 is roughly equivalent to the performance of the Tesla V100.

Depending on the stage and size of the project, businesses can choose the right GPU for their needs. An example based on memory for GPU selection is as follows:

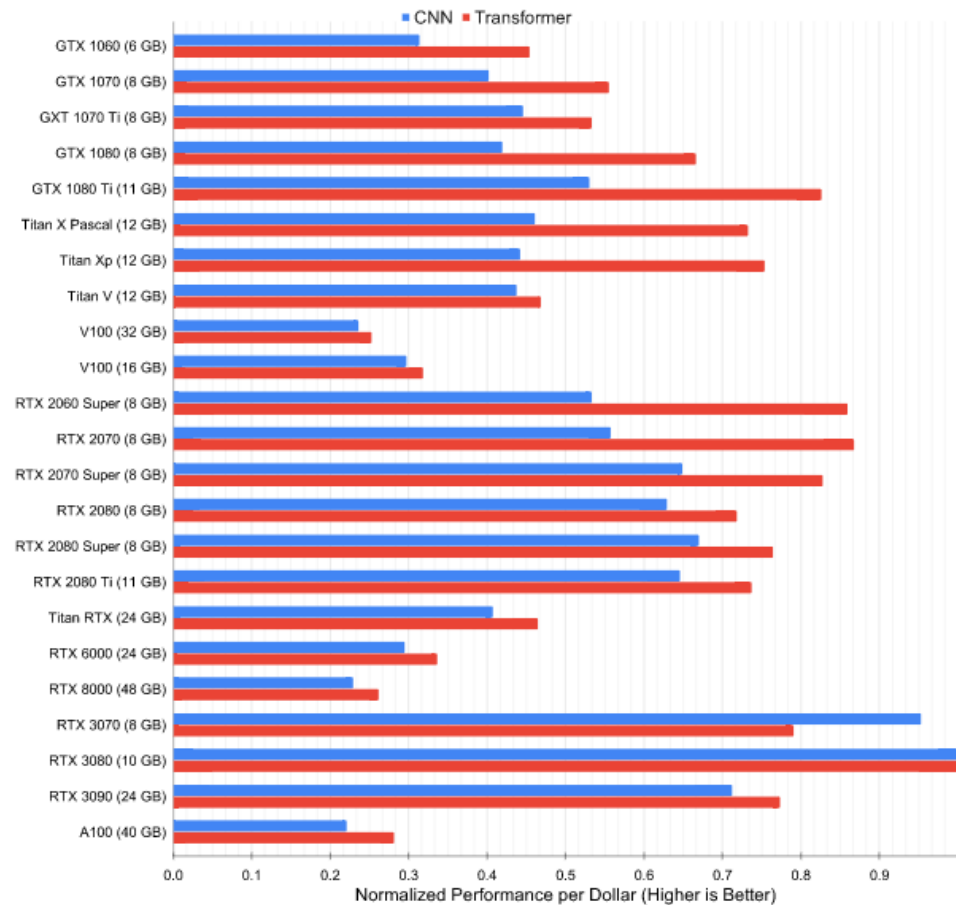
- • Using pretrained transformers; training small transformer from scratch $\geq 11\text{GB}$.
- • Training large transformer or convolutional nets in research / production: $\geq 24\text{GB}$.
- • Prototyping neural networks (either transformer or convolutional nets) $\geq 10\text{GB}$.
- • Kaggle competitions $\geq 8\text{GB}$ • Applying computer vision $\geq 10\text{GB}$.
- • Neural networks for video: 24GB .
- • Reinforcement learning $\approx 10\text{GB}$ + a strong deep learning desktop the largest Threadripper or EPYC CPU.

GPU PERFORMANCE/COST

Normalized 1 and 2-GPU Performance per Dollar



Normalized 4-GPU Performance per Dollar



Source: timdettmers.com

BUSINESS CASE - BAD CLAY

Our Customer



Leading outsourcing
studio in Vietnam

\$10M+

USD Revenue



500+

Hollywood &
European
blockbusters

Partners

Westworld, Locus,
Mofac, Gale Studio,
Mathematic, MPC



B BUSINESS NEEDS

- The current farm is unlikely to meet their demanding requirements.
- It might take months to complete their projects while their urgent deadline for rendering is in days.
- The pipeline is complicated and hard to control for a team.
- Looking for a third party providing cloud rendering service that can be a twofold or threefold increase in their demand whenever they need without management should be their solution

S SOLUTIONS

- Offer a remote render farm including at least 10 to 15 physical servers running 24/7
- Easy to sync their data for all servers in the farm via GpuHub-Sync
- Able to use 4TB of storage at no charge
- Control the farm and render their project by Render farm management tools
- Scale the farm up to 25 or 30 servers whenever they want
- Competitive price: \$3500 per month for 15 servers

R RESULTS



Complete rendering each
project within **15 days**
instead of 3 months



Save **55%** of the
rendering costs



Optimize the working
process in a **team**

CASE STUDY: FPT SOFTWARE

Our Customer



Digital Transformation &
IT Consulting Company
based in Vietnam

\$500M+ 
USD Revenue

 **16000+**
Employees

700+
Customers served
(including ~100
Fortune 500) 

B BUSINESS NEEDS

- The FPT Software AI research team comes from many countries such as Vietnam, US, UK, Russia, etc. The client finds it hard to take control the training AI models of their members.
- The client look for a partner that offers the robust remote servers for members in the world at a reasonable price and great support.



C CHALLENGES

The previous option is AWS:

- Expensive cost
- Huge effort and time-consuming to manage
- Much cost for 24/7 support, only English

S SOLUTIONS

- Offer 15-20 servers on a monthly basis, each server includes RTX 3090 graphics cards
- The system and Technical Support is 24/7 available
- Offer extra features for training AI models: open port, clone, NVLink, etc

R RESULTS



Save by **70%** of the
Infrastructure costs



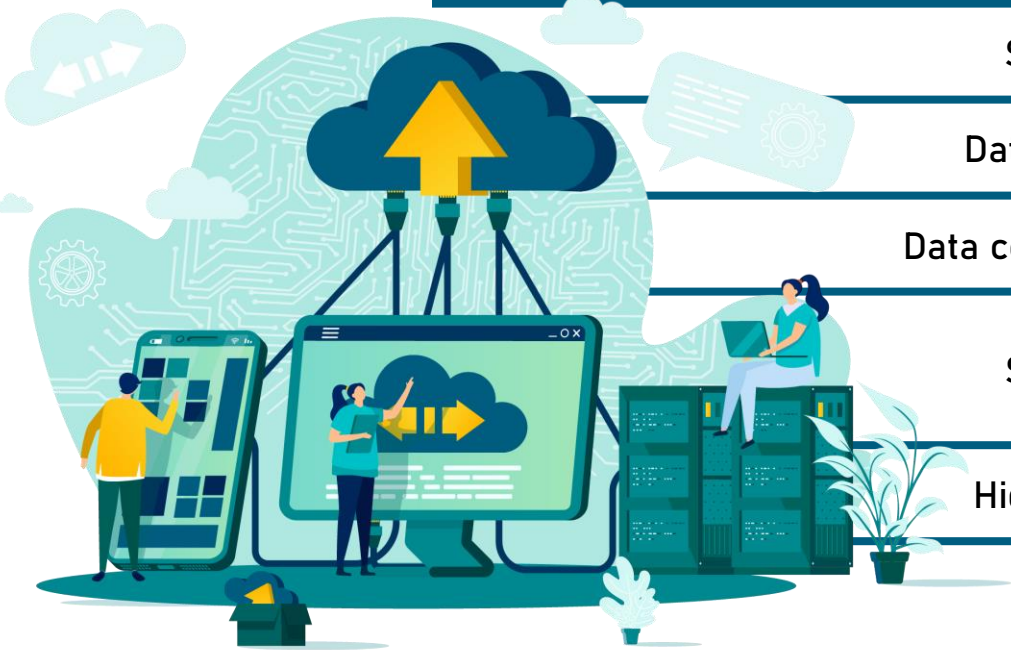
Increase productivity
at least **50%**



Every member of FPT Software
all over the world has an **easy
access** to the remote servers

COMPETITOR COMPARISON

GPU Cloud for AI/Deep Learning



Features	AWS	iRender
Pricing		30% lower cost
Servers	Virtual	Physical
Data storage	Fee-based	Free
Data center location	Not in Vietnam	In Vietnam
Support	Within 24 hours Fee-based English only	24/7 Free Vietnamese & English
Hidden cost	✓	✗

GPU server 3

\$ 3.8

node/hour

SINGLE CARD

1x RTX 3090, 24 GB VRAM

NVLink: Not Available

NVIDIA CUDA® Cores: 10.496

Intel Xeon W-2245 @ 3.90GHz

RAM: 128 GB

Storage (NVMe SSD): 512GB

OS: Windows  Ubuntu 

Daily Plan **\$3.42 / hour**

Billed as one payment of \$82.08

SAVE 10%

Monthly Plan **\$3.04 / hour**

Billed as one payment of \$2188.8

SAVE 20%

GPU server 4

\$ 6.2

node/hour

MULTIPLE CARD

2x RTX 3090, 24 GB VRAM

NVLink: Request

NVIDIA CUDA® Cores: 10.496

Intel Xeon W-2245 @ 3.90GHz

RAM: 128 GB

Storage (NVMe SSD): 512GB

OS: Windows  Ubuntu 

Daily Plan **\$5.58 / hour**

Billed as one payment of \$133.92

SAVE 10%

Monthly Plan **\$4.96 / hour**

Billed as one payment of \$3571.2

SAVE 20%

GPU server 4P

\$ 7.2

node/hour

MULTIPLE CARD

2x RTX 3090, 24 GB VRAM

NVLink: Request

NVIDIA CUDA® Cores: 10.496

AMD Ryzen Threadripper Pro 3955WX
@ 3.90GHz

RAM: 256 GB

Storage (NVMe SSD): 1TB

OS: Windows  Ubuntu 

Daily Plan **\$6.48 / hour**

Billed as one payment of \$155.52

SAVE 10%

Monthly Plan **\$5.76 / hour**

Billed as one payment of \$4147.2

SAVE 20%

GPU server **5P**

\$ 14.8

node/hour

MULTIPLE CARD

4x RTX 3090, 24 GB VRAM

NVLink: Request

NVIDIA CUDA® Cores: 10.496

AMD Ryzen Threadripper Pro 3955WX
@ 3.90GHz

RAM: 256 GB

Storage (NVMe SSD): 1TB

OS: Windows  Ubuntu 

Daily Plan **\$13.32 / hour**

Tổng thanh toán cho 1 ngày là \$319.68

SAVE 10%

Monthly Plan **\$11.84 / hour**

Billed as one payment of \$8524.8

SAVE 20%

GPU server **8**

\$ 22

node/hour

MULTIPLE CARD

6x RTX 3090, 24 GB VRAM

NVLink: Request

NVIDIA CUDA® Cores: 10.496

AMD Ryzen Threadripper Pro 3955WX
@ 3.90GHz

RAM: 256 GB

Storage (NVMe SSD): 1TB

OS: Windows  Ubuntu 

Daily Plan **\$19.8 / hour**

Billed as one payment of \$475.2

SAVE 10%

Monthly Plan **\$17.6 / hour**

Billed as one payment of \$12 672

SAVE 20%

GPU server **9**

\$ 28

node/hour

MULTIPLE CARD

8x RTX 3090, 24 GB VRAM

NVLink: Request

NVIDIA CUDA® Cores: 10.496

AMD Ryzen Threadripper Pro 3955WX
@ 3.90GHz

RAM: 256 GB

Storage (NVMe SSD): 2TB

OS: Windows  Ubuntu 

Daily Plan **\$25.2 / hour**

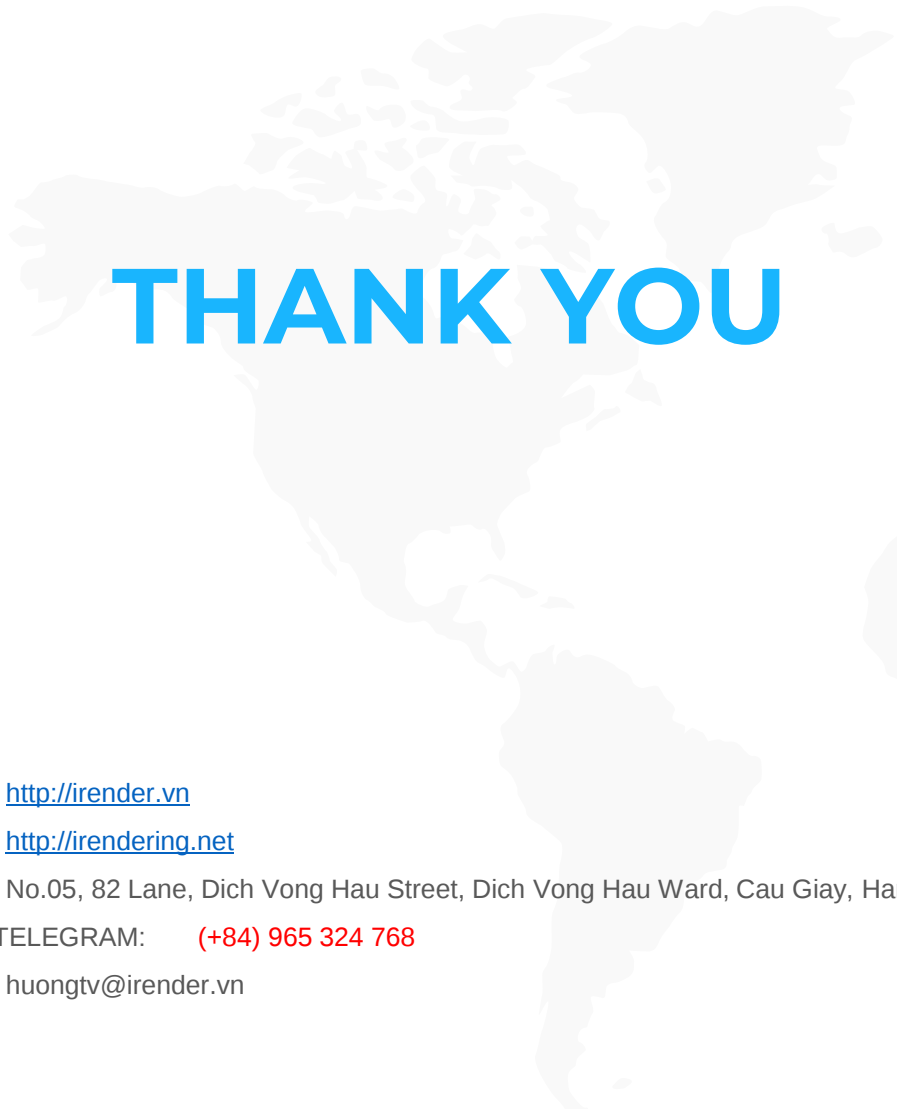
Billed as one payment of \$604.8

SAVE 10%

Monthly Plan **\$22.4 / hour**

Billed as one payment of \$16 128

SAVE 20%



THANK YOU

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<http://irendering.net>

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iRender