

The Workflow Behind Scalable Render Delivery.

How Digital Esthetics Studio produces **hundreds of thousands** of renders every month with GarageFarm.NET.

About Digital Esthetics Studio

Digital Esthetics is a Swedish 3D visualization studio specializing in high-volume rendering across Europe, the US, and Australia.

Built around structured production, the studio supports brands managing increasingly complex product catalogs - where consistency across materials, configurations, and thousands of outputs matters just as much as realism.

At peak production, the studio has delivered up to 200,000 rendered images in a single month, balancing scale with visual precision.

100.000

IMAGES / MONTH

3

CONTINENTS

1000s

SKU VARIATIONS

"We maintain consistency through structure rather than uniformity."

— Digital Esthetics Studio

Specialty: High-end 3D visualization, content automation, and scalable production pipelines

Technology: 3ds Max, Corona Renderer, TyFlow, RailClone, Forest Pack, and custom scripting, material scanning, model scanning

Markets: Australia • United States • Sweden

Industries: Furniture • E-commerce • Architecture • Defence • Maritime



02. THE CHALLENGE

The problem of scale

When product catalogs grow from a handful of products to thousands of SKUs, rendering becomes more than a creative process.

Every material, color, configuration, and camera angle **multiplies the number of required outputs**. Maintaining consistency, managing production volume, and delivering thousands of organized assets requires a workflow designed specifically for scale.

Material Accuracy

Consistency across fabrics, finishes, and color systems.

SKU Complexity

Thousands of combinations managed systematically.

Production Scale

Infrastructure designed for growing rendering demand.

Structured Delivery

Production-ready assets, organized at scale.

Finding a system that could scale

As production demands increased, Digital Esthetics began evaluating rendering environments capable of supporting larger batch volumes and growing catalog complexity.

The objective was not simply additional rendering power - but a production environment capable of supporting **high-volume batch rendering**, predictable delivery, and workflow stability at scale.

This is where **GarageFarm.NET** became a core part of the pipeline, by distributing large workloads efficiently and giving the team the flexibility to prioritize urgent jobs without disrupting the regular production schedule.

Workflow Compatibility

Seamless integration with the studio's
3ds Max + Corona pipeline

Reliability at Scale

Stable performance across
high-volume rendering environments

Flexible Capacity

Rendering resources designed to scale
alongside production demand.

Batch Efficiency

Reliable processing of
large rendering submissions

Predictable Delivery

Consistent output quality and
dependable turnaround planning.

Responsive Support

A team willing to support workflow
refinement - not simply process jobs.

GarageFarm becomes part of the workflow

Integrated into the studio’s 3ds Max + Corona pipeline, GarageFarm.NET supports the infrastructure layer behind high-volume rendering - helping process thousands of product variations while maintaining production stability.

The platform supports large rendering batches, flexible scaling during production peaks, and predictable turnaround planning, while fitting naturally into the workflow already established by the studio.

Digital Esthetics

3ds Max + Corona Workflows
Material & Model Creation
Scene Standards
Structured Batch Preparation

+

GarageFarm.NET

3ds Max + Corona Plugins
Material & Model Rendering
Scene Outputs
Structured Batch Outputs

=

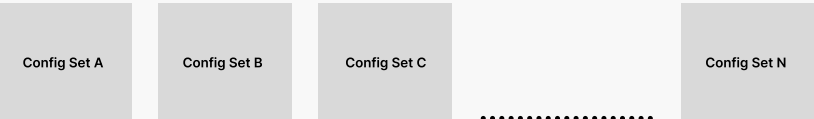
Consistent Output

Same Lighting
Same Camera Systems
Same Visual Standards
Repeatable Years Later

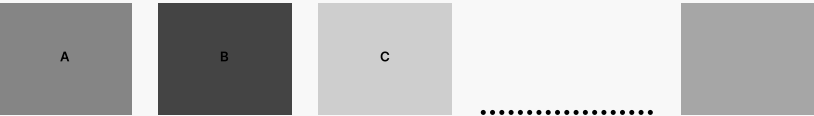
Digital Esthetics Batch Rendering Workflow
Powered by GarageFarm.NET Render Farm



Thousands of models and configurations.



Colors



Textures

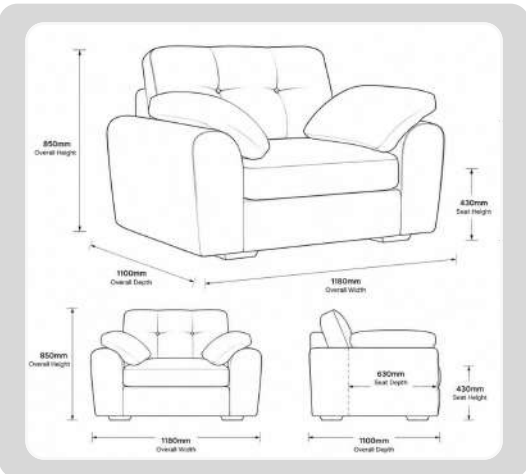


The 6-step Production System

How one model becomes thousands of consistent deliverables.

As production volume increased, Digital Esthetics developed a structured workflow designed to support **high-volume batch rendering** while maintaining consistency across thousands of rendered assets.

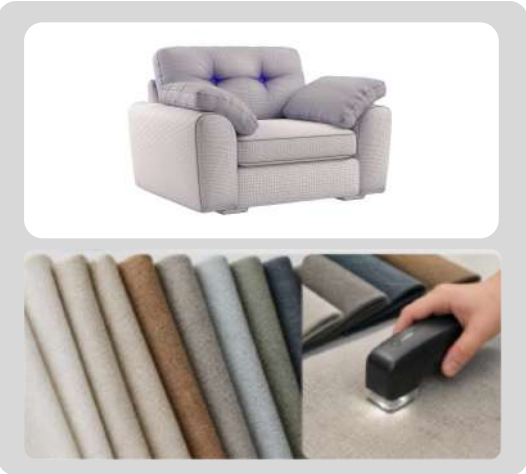
01
BRIEF AND DATA INTAKE



Models, SKUs, materials, and delivery requirements are collected and mapped into production planning.

WHY IT MATTERS
A structured start prevents production bottlenecks later

02
ASSET STANDARDIZATION



Models are cleaned, organized and materials are standardized to maintain consistency across outputs.

WHY IT MATTERS
Consistency starts before rendering.

03
SCENE APPLICATION



Predefined lighting and camera system applied by product category.

WHY IT MATTERS
New materials can be added later without visual inconsistencies

04
VARIATION HANDLING



Automated systems generate thousands of SKU combinations using approved materials and configurations.

WHY IT MATTERS
Scaling manually becomes impossible.

05
RENDER DISTRIBUTION



GarageFarm.NET distributes rendering workloads to process large batches efficiently.

WHY IT MATTERS
High-volume rendering without bottlenecks.

06
DELIVERY



Final assets are organized, named and structured for ecommerce, catalogs and configurators.

WHY IT MATTERS
Outputs arrive production-ready

A production system built for quality and consistency at scale.

By standardizing preparation, automating batch rendering, and preserving consistent scene logic, **Digital Esthetics** built a production system capable of **delivering thousands of assets without sacrificing quality.**

GarageFarm.NET became an integral part of that production infrastructure, supporting **high-volume rendering**, flexible scaling, and **dependable turnaround planning** as production demands evolve.

The result is a **scalable, repeatable workflow** that supports long-term growth while preserving consistent visual standards.

200,000+

Renders delivered in a single month

1000s

SKU variations generated from one standardized workflow

Built to Last

SKU variations generated from one standardized workflow

No AI Processing

No AI image scanning. Protects confidential assets.

Repeatable Results

Same cameras, lighting, materials across every product.

*"Choose a partner that supports how you work
– not just how fast they render."*

— Digital Esthetics Studio



DIGITAL
ESTHETICS



GarageFarm.NET