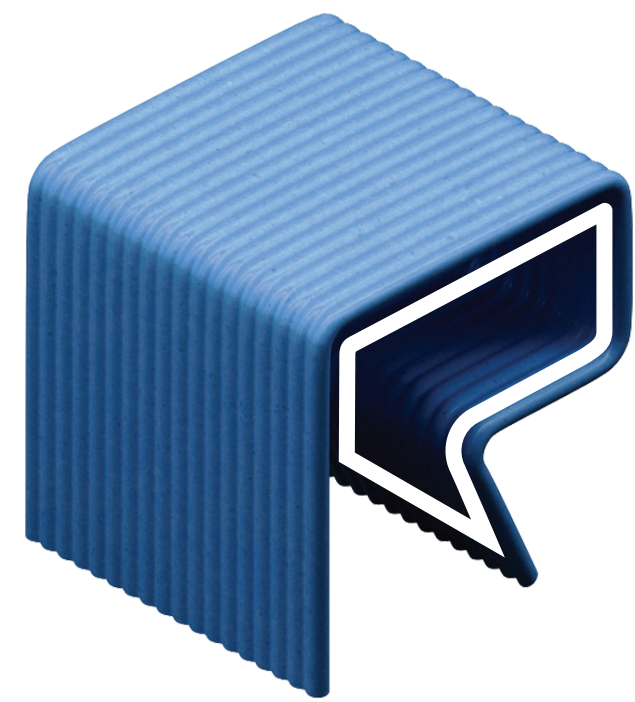




Riendly



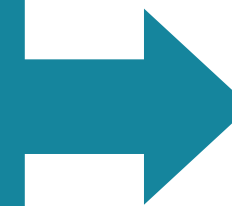
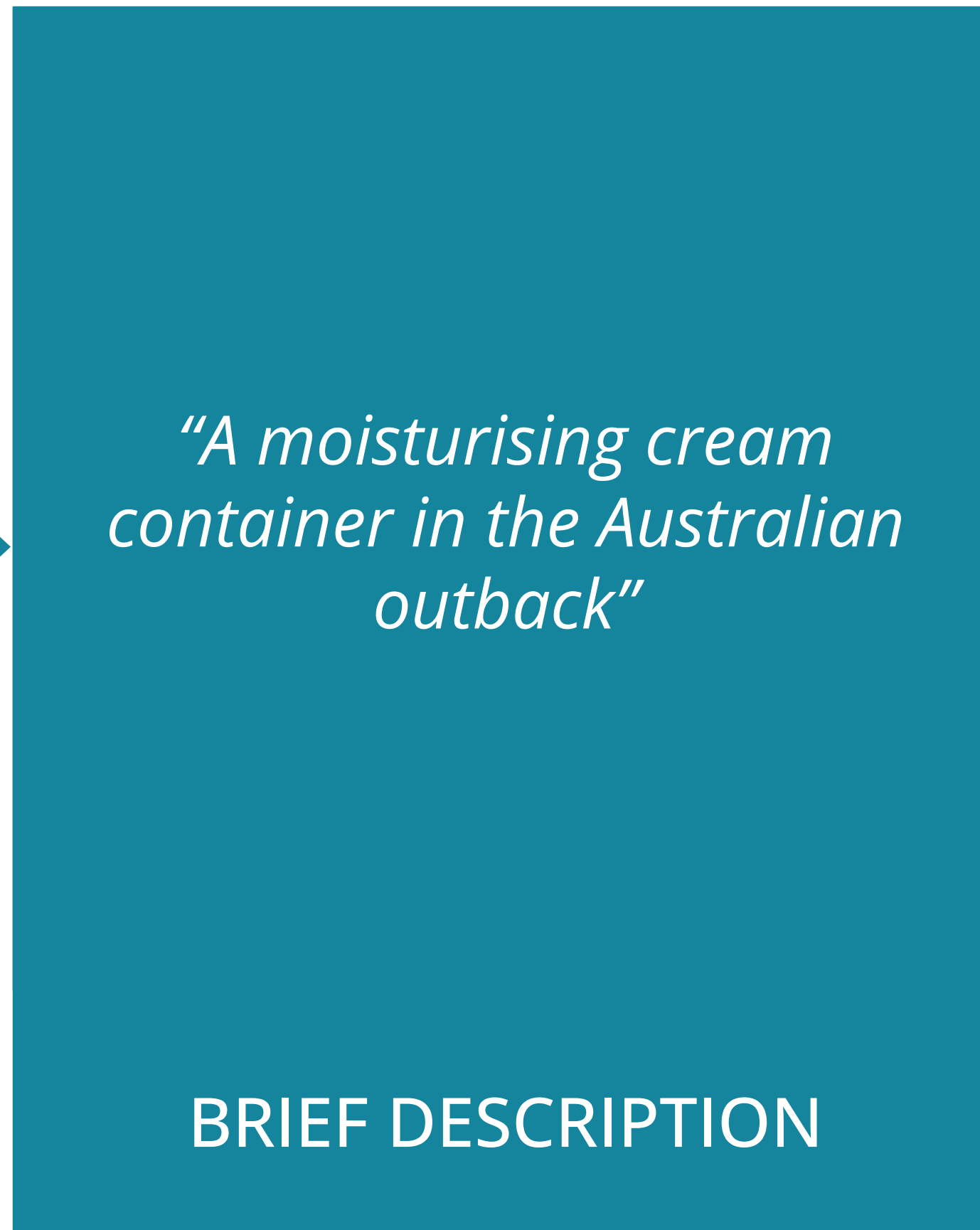
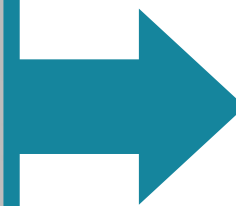


Breathe *life*
into even the



DRIEST product







1

Direct 3D model loading

Any FBX/OBJ/GLB 3D file
Render camera control
Fully supporting existing texture

2

User input

Accepting user-written prompt
Passing to open source LLM
Semantic parsing and prompt refinement
Feeding to image processing model

3

Base Image

Background Segmentation
Isolation of product
Base image generation
Controlled reconstruction

4

Deep Image Analysis

Input image acquisition
Feature extraction via preprocessors
Building image segmentation maps
Conditional fusion to maintain control



5

Frequency Separation

Splitting of high and low frequency
Isolation of true texture of product

6

Product Detail Transfer

High-frequency extraction
Detail map comparison
Controlled blending
Texture reintegration

7

Product Relighting

Lighting context extraction
Relighting model conditioning
Base image re-rendering
Shadow and highlight reconstruction

8

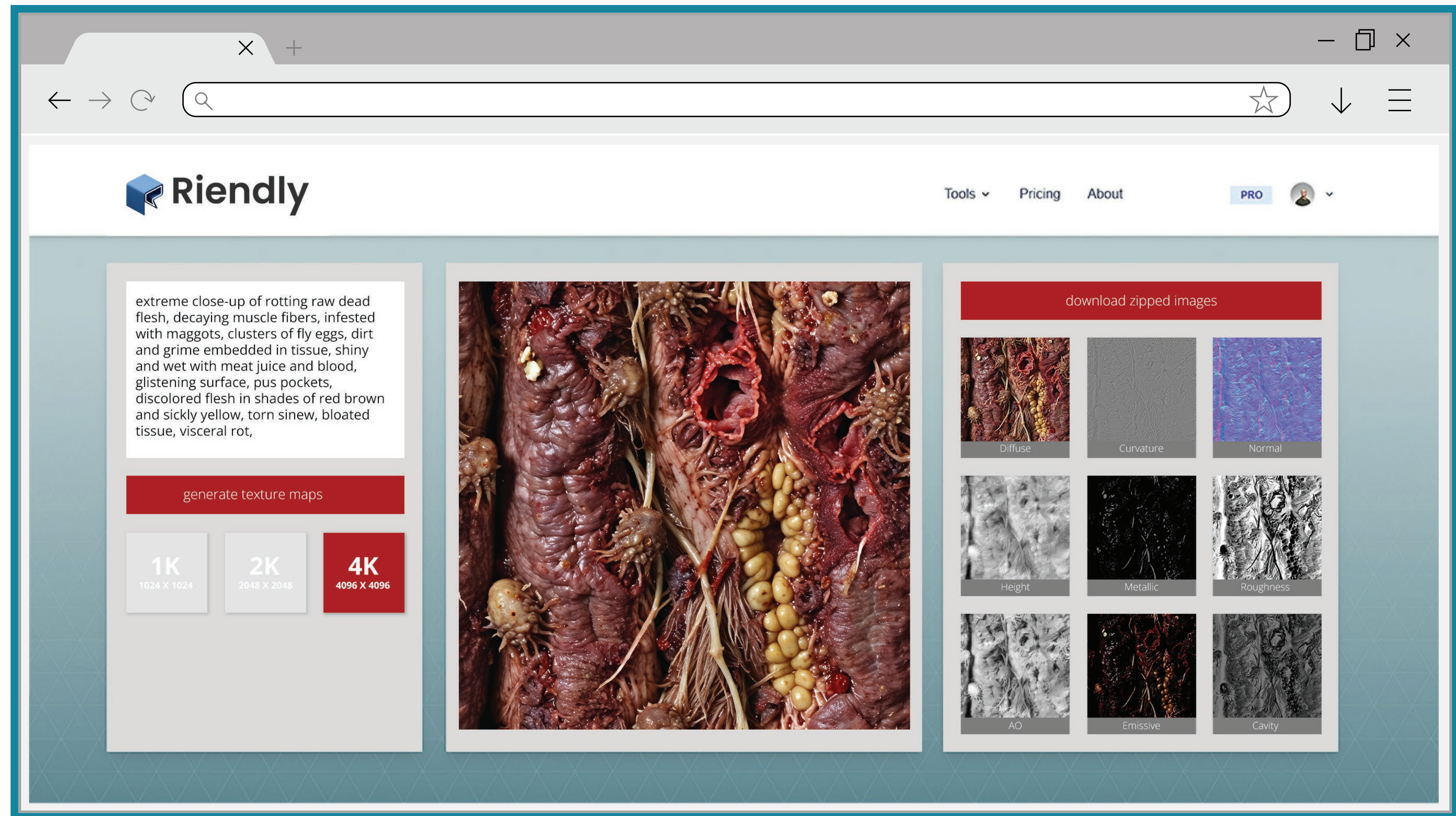
Final Image Generation

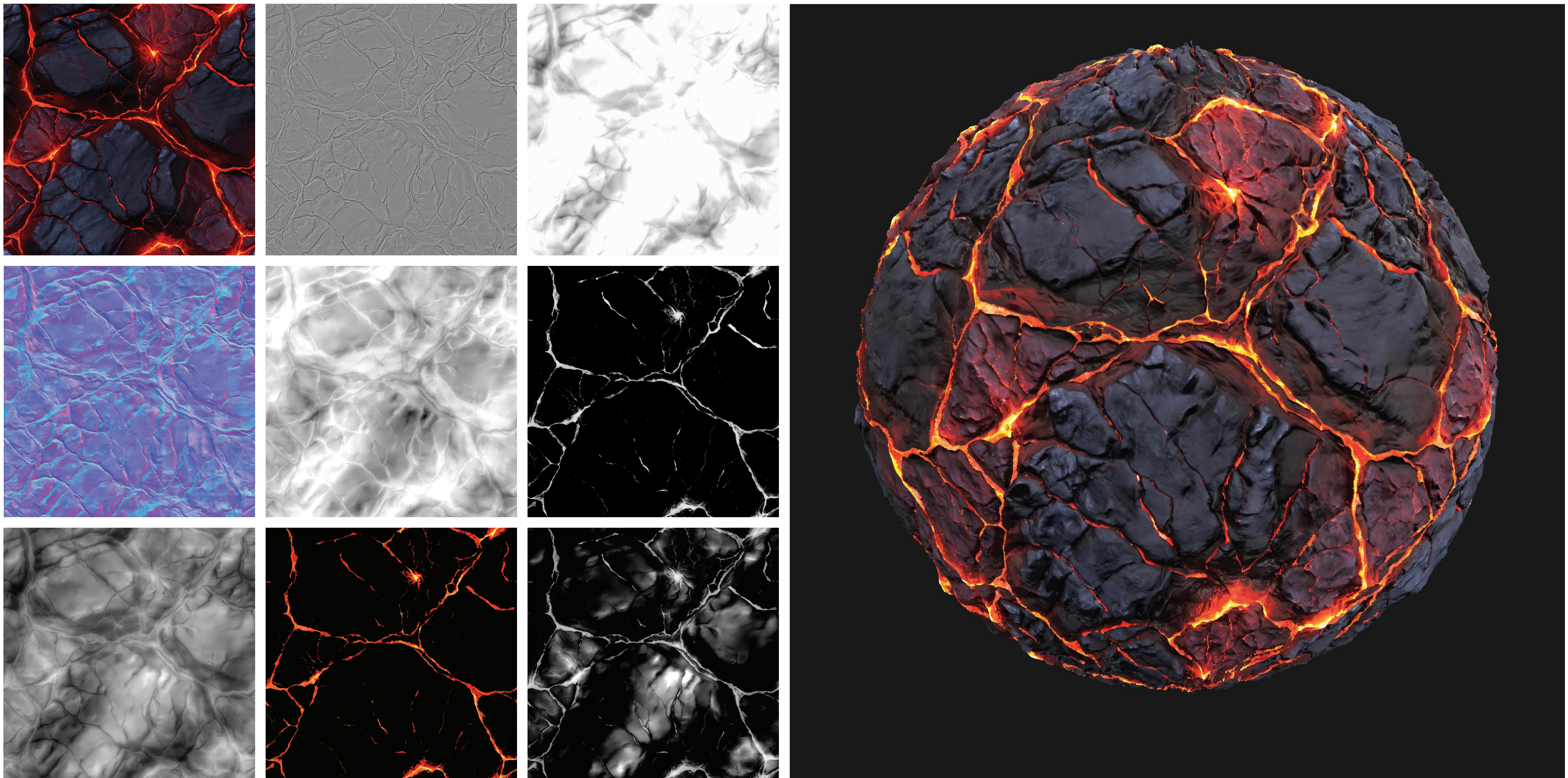
Prompt and conditioning assembly
Diffusion Execution
Latent-to-image decoding
High-resolution refinement and upscaling



Web React App

Natural language user input / UI friendly
Lightning speed studio-grade visuals
Scales seamlessly with additional workflows
Speed and cost-effective



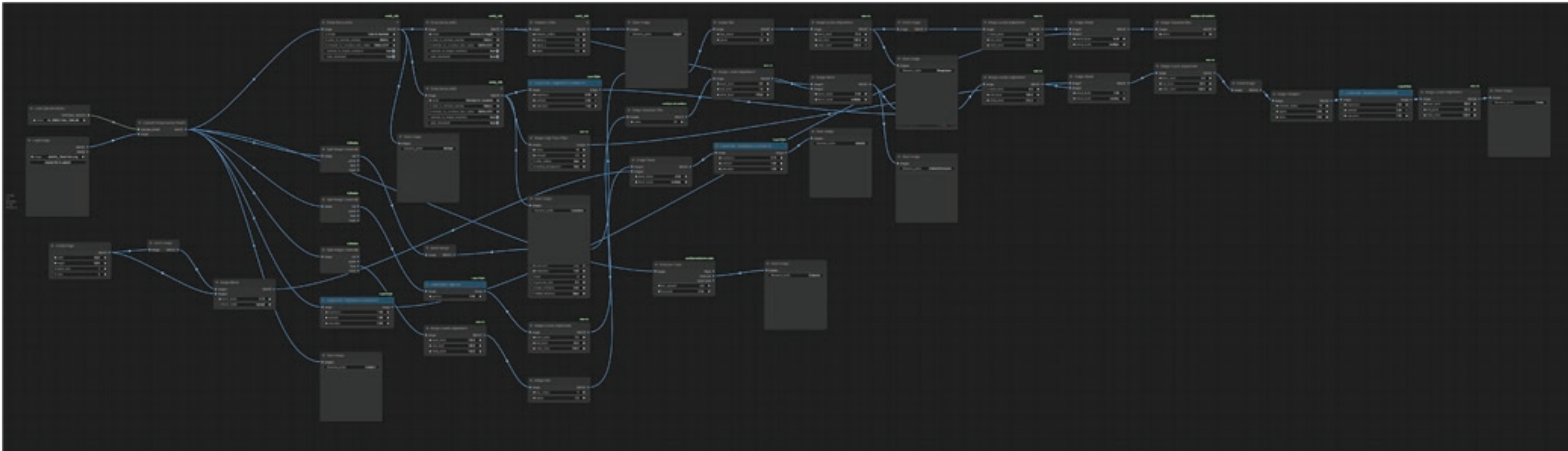
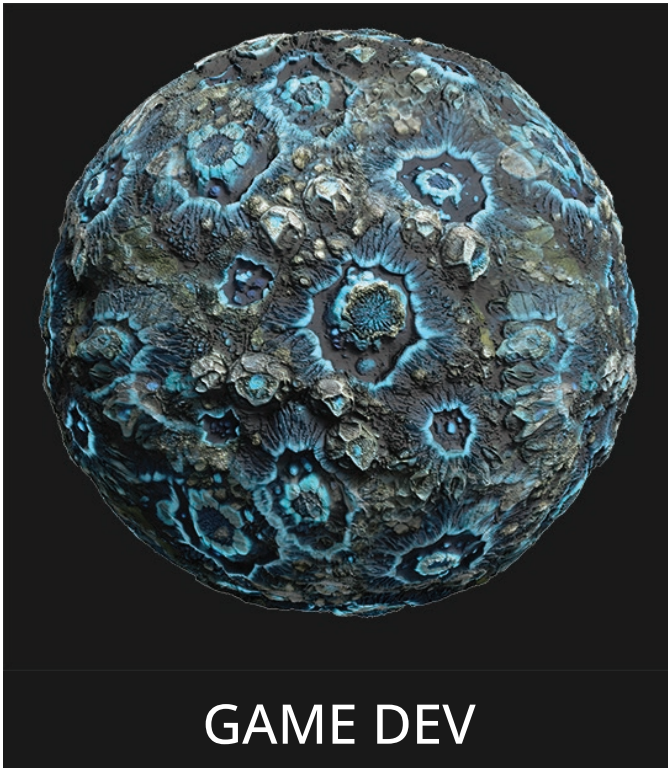
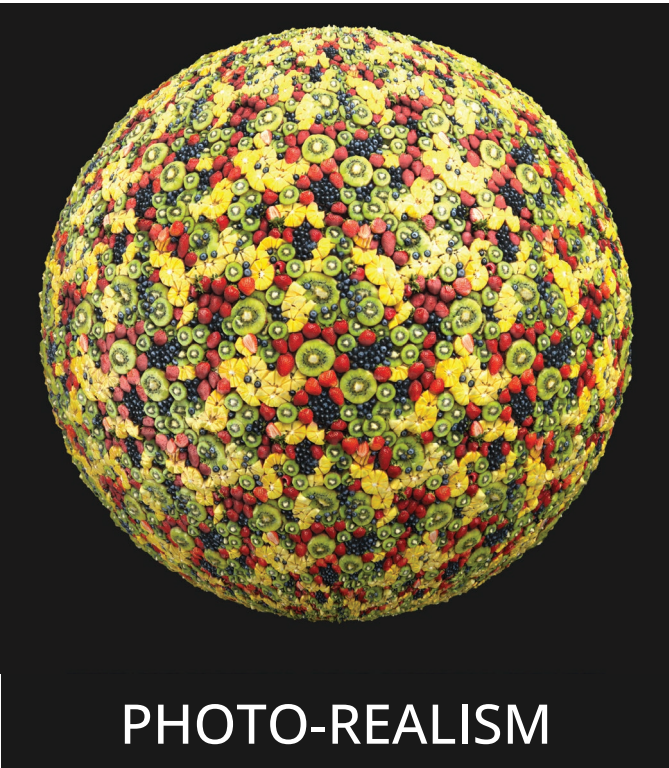


Riendly Forge: Seamless PBR Texture Generator

Execution Time: 107 seconds avg.

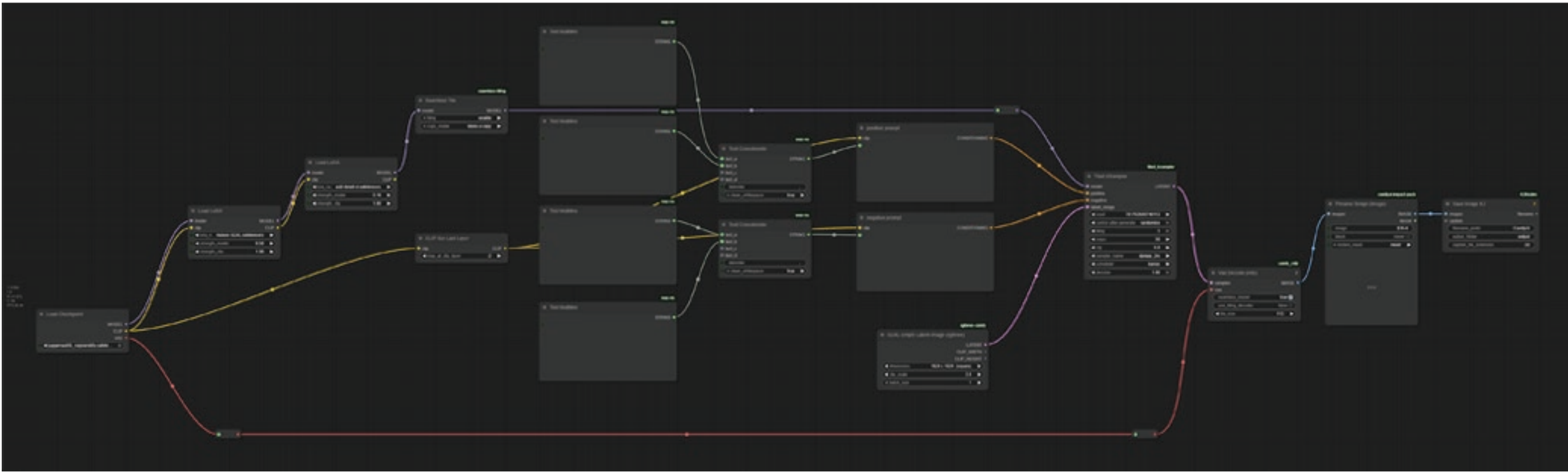
Visual Style Framework

Core Visual Style Categories
Selectable industry-specific output
Ability to define and refine
Scalable resolution 1K - 8K texture maps



Multi-Workflow Process

Optimized serverless workflow
Warm parallelization
Background processing
Github version control
Docker container for easy updates





Riendly Tapestry: Seamless Wallpaper Generator

Execution Time: 24 seconds avg.



Riendly Surface: Product / Scene Visualizer

Execution Time: 19 seconds avg.





Riendly Surface: Product / Scene Visualizer

Execution Time: 19 seconds avg.