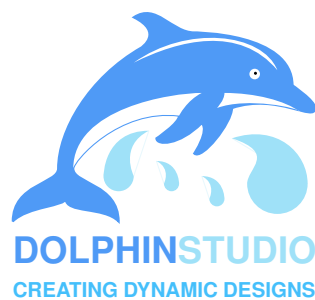# Dolphin Studio: Publication Design and Automation

Product Brochure
Version 25.08

1   Introduction

Data visualization deals with the graphic representations of information, data, or knowledge intended to communicate and improve cognition about information derived from variety of data sources quickly, clearly and effectively via visual or graphical means. Data Visualization help understand complex ideas, patterns and trends hidden in the data to derive meaningful insights for informed data-driven decision making.

Dolphin Studio is a data-driven vector visualization platform designed to empower users to create: (a) Visually Appealing Consumer Art Designs, (b) Business Intelligence Dashboards, and (c) Automated Reporting and Publications. Our designs are dynamic, interactive, and vector-based, enabling on-the-fly design customization to meet changing requirements.

Our pioneering innovation in art design and data visualization blends mathematics with the computing technology. With Dolphin, you can achieve significant size reduction without compromising quality, ensuring high performance, and contributing to environmental sustainability. Dolphin is a cloud-native solution that is available as a lightweight, stand-alone, client-side application as well as the most efficient server-side data visualization engine.

1.1   Key Features

Dolphin Studio has powerful possibilities to create:

- High Quality Graphic Designs that are Configurable, Collaborative and Engaging
- Rich Data Visualizations with Animation and Personalization
- High performing Business Intelligence dashboard
- Digital Twins for Manufacturing Plants, Systems, Processes
- Automated Reporting and Publications for digital and print media

1.2   Core Capabilities

Core capabilities of Dolphin Studio are:

- Raster to vector transformation for size reduction, high quality, and high performance
- Static to dynamic vector enhancements for real-rime design configuration and customization
- Traceability using built-in image attribution, labeling and tagging
- Data management using efficient image search and retrieval
- Artificial intelligence automated image generation using DNA evolution principles
- Design intelligence for advanced analysis and decision making such as size, material, and costing

1.3   Value Propositions

- Significant Reduction in Storage Requirements
- Significant Reduction in Computational Resources
- High-Performing Solution with Minimal Latency
- Visually Appealing and Aesthetically Pleasing Designs
- Contribution to Environmental Sustainability

2   Intellectual Property

- **Art Design and Dynamic Data Visualization:** Using this library you can make elegant, lightweight, super-fast, fully customizable and interactive user interfaces, vector graphics, and artworks for your data rich websites/commercial/academic/research projects using appropriate license.

- **Publication Automation:** Software libraries has ability to produce identical high quality design for any screen, print, or machine platform without duplication.

- **Robust Data Security:** Intelligent algorithms allows you to protect your sensitive information.

- **Digital Twinning:** Cloud-native solutions can create unified manufacturing dashboards and corresponding digital twins with ease and high degree of accuracy to turn data into actionable insights.

3   Product Offerings

3.1   Software libraries and APIs

- JavaScript SVG Library for Art Design
- Javascript Charting, Plotting, and Gauge Library
- PostScript Library for Print on the fly
- Dynamic Content Management Systems

3.2   Technology Stack

Dolphin Studio is built using JavaScript, Scalable Vector Graphics (SVG), PostScript, and LaTeX Programming without any third party library dependencies.

3.3   Deployment Options

Dolphin Studio offers flexible software deployment options, including both light-weight client-side library and the most efficient server-side visualization engine, which are Cloud-Native and Enterprise-Ready Applications tailored to your business needs.

3.4 Targeted Customers

- Consumer Products Industry
- Business Intelligence Solutions
- E-Commerce and Digital Publications
- Image Processing Community
- Training and Skill Development

4 Contact

To learn more, please visit Dolphin Website. Contact us by emailing at info@problemx.in

Dolphin.js