



Visify — Visual as a Service

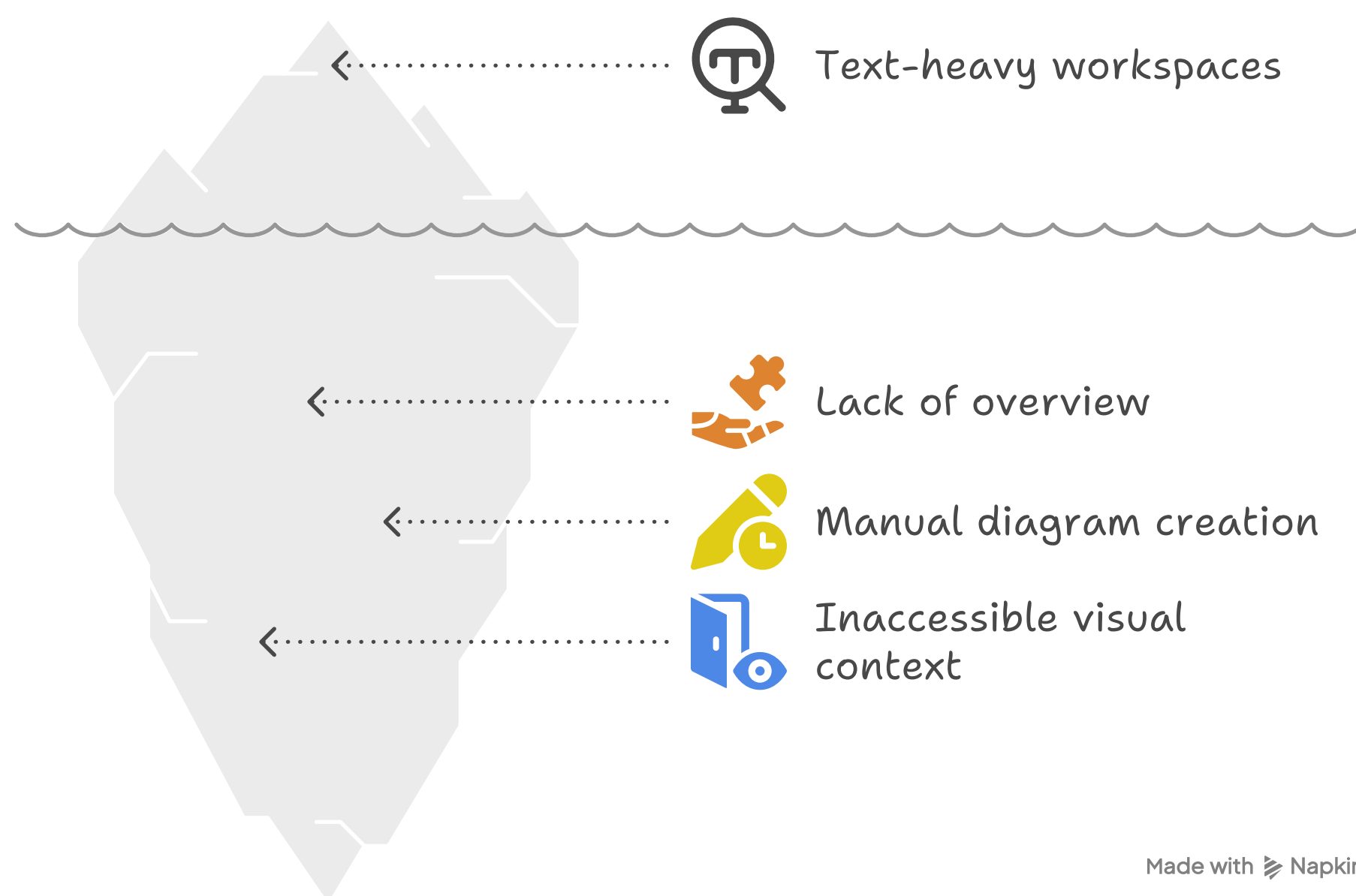
“Turn any word into a visual. Integrate anywhere.”

Saurabh Zinjad - Team Warriors

Problems

- Digital workspaces (Slack, Teams, CRMs, websites) are text-heavy and hard to scan.
- No quick “big picture” — users must read long paragraphs to understand.
- Manual diagram creation is time-consuming and quickly outdated.
- Visual context is proven to aid comprehension, but not always accessible.

Lack of Visual Context Hinders Comprehension.

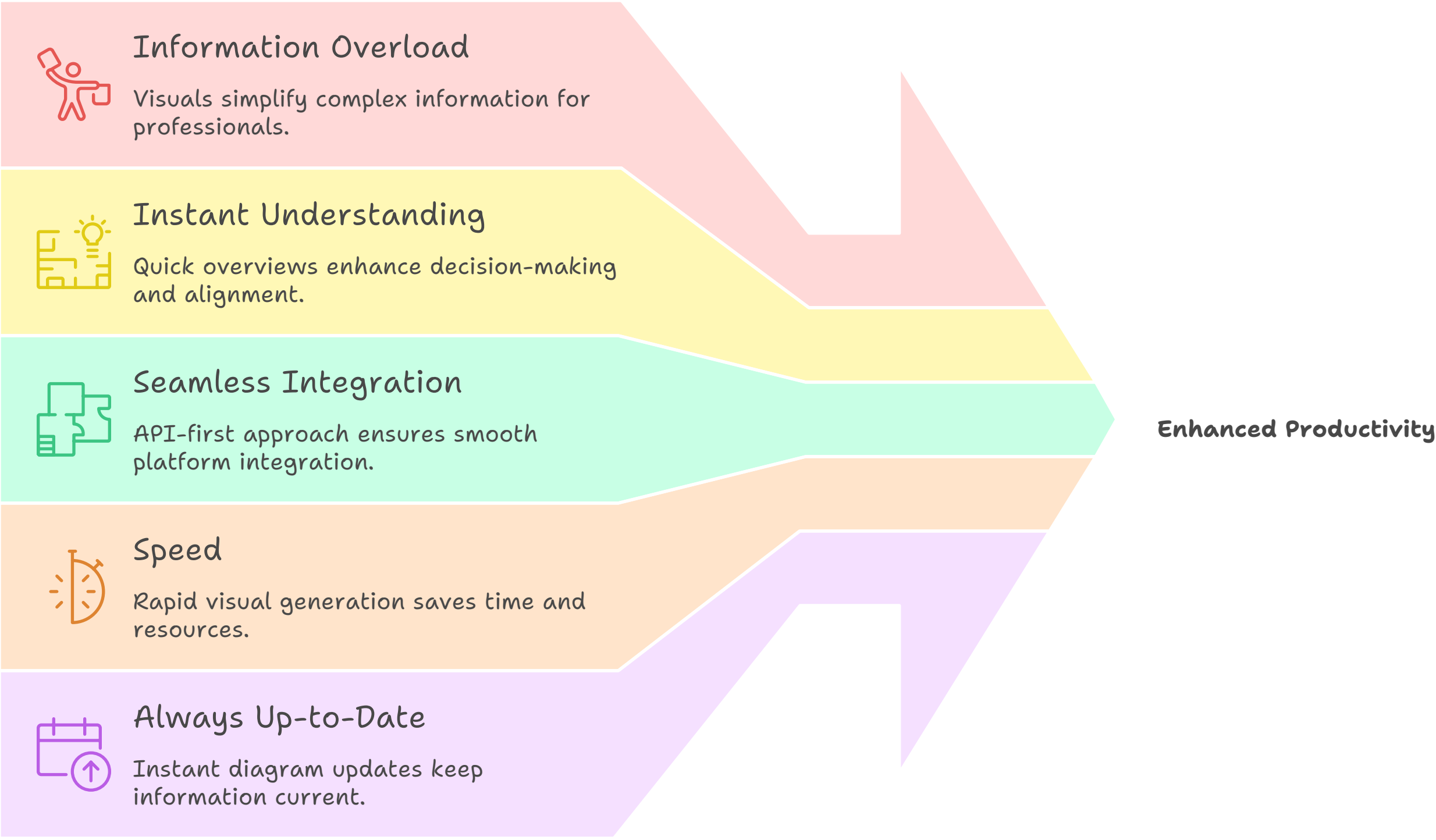


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Why Now / Key Benefits / Impact

- **Information Overload:** Professionals process 1000s of words daily — visuals reduce cognitive load.
- **Instant Understanding:** At-a-glance overviews improve decision-making and alignment.
- **Seamless Integration:** API-first approach plugs into any platform without workflow disruption.
- **Speed:** Generate visuals in seconds instead of hours.
- **Always Up-to-Date:** Regenerate diagrams instantly when text changes.

Visuals for Efficiency

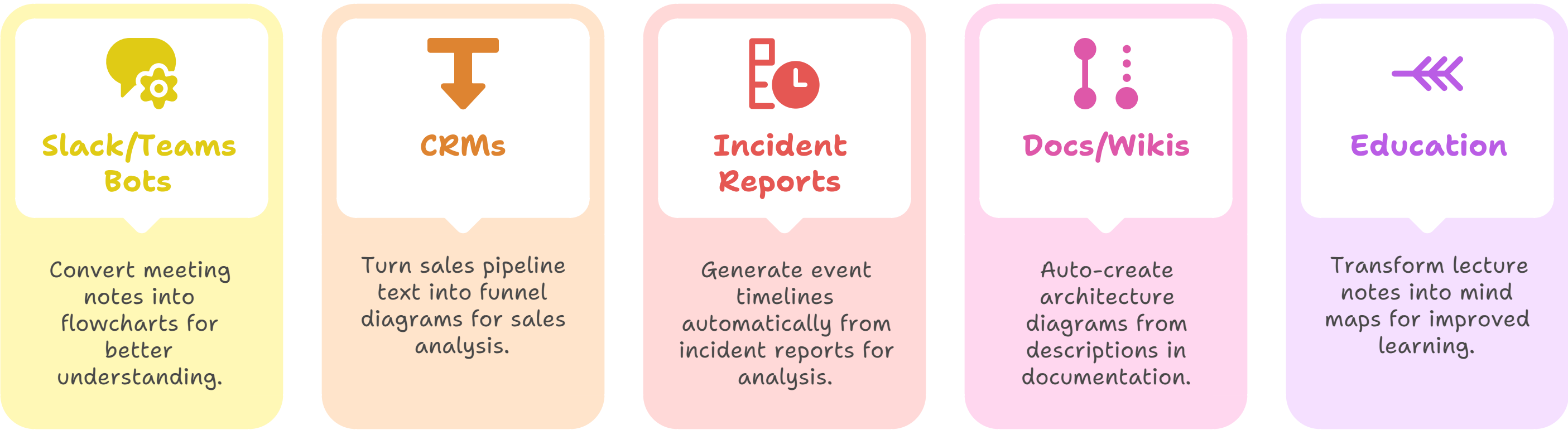


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Example Use Cases

- **Slack/Teams Bots:** Convert meeting notes into flowcharts.
- **CRMs:** Turn sales pipeline text into funnel diagrams.
- **Incident Reports:** Generate event timelines automatically.
- **Docs/Wikis:** Auto-create architecture diagrams from descriptions.
- **Education:** Transform lecture notes into mind maps.

Diagram Generation Applications



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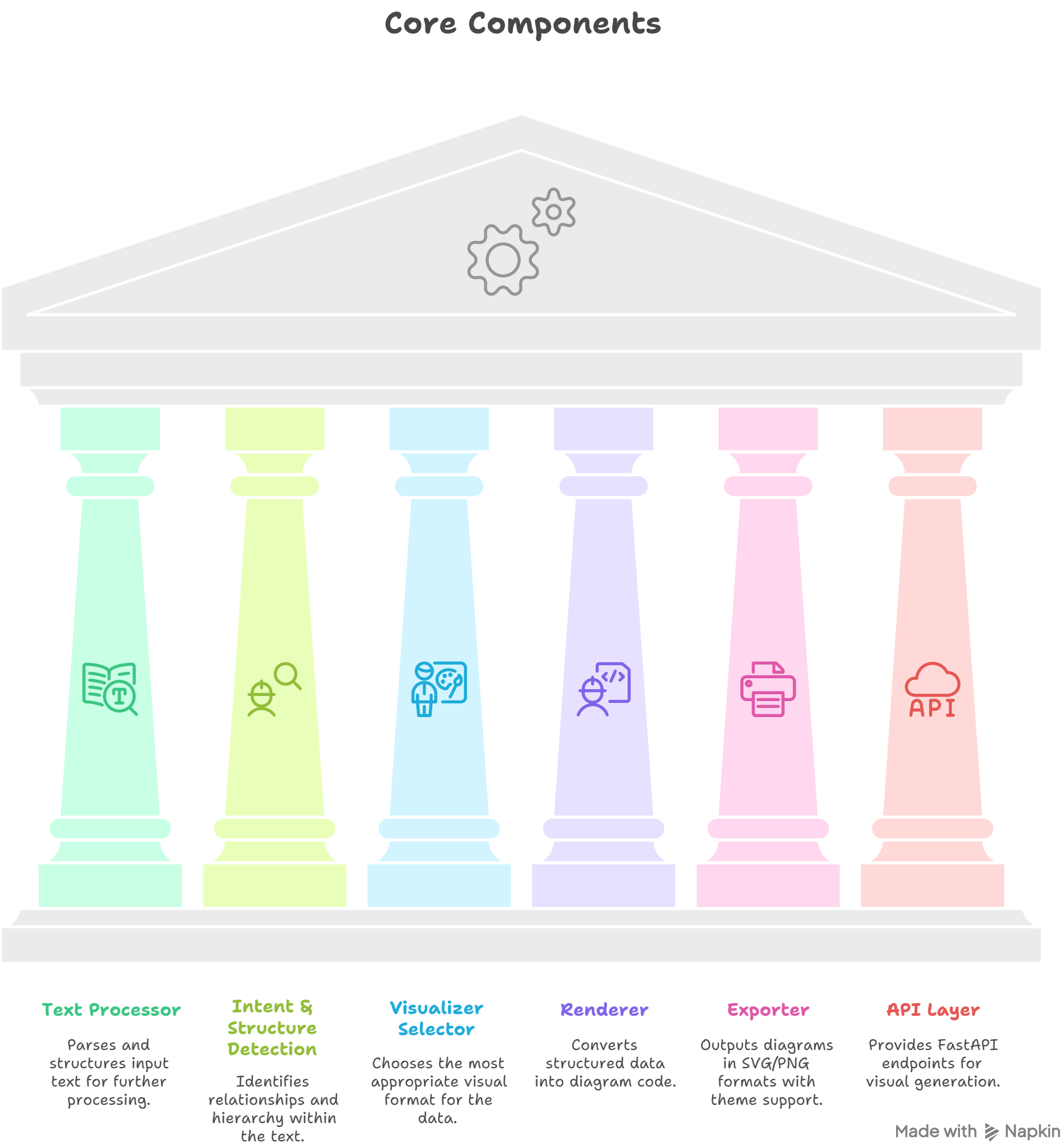
Solution

A service that transforms raw text into **the most relevant visual format** (flowchart, mind map, timeline, chart, table, image, GIF, or video) and returns it via API for direct embedding into any system.

Architecture & Components

Core Components:

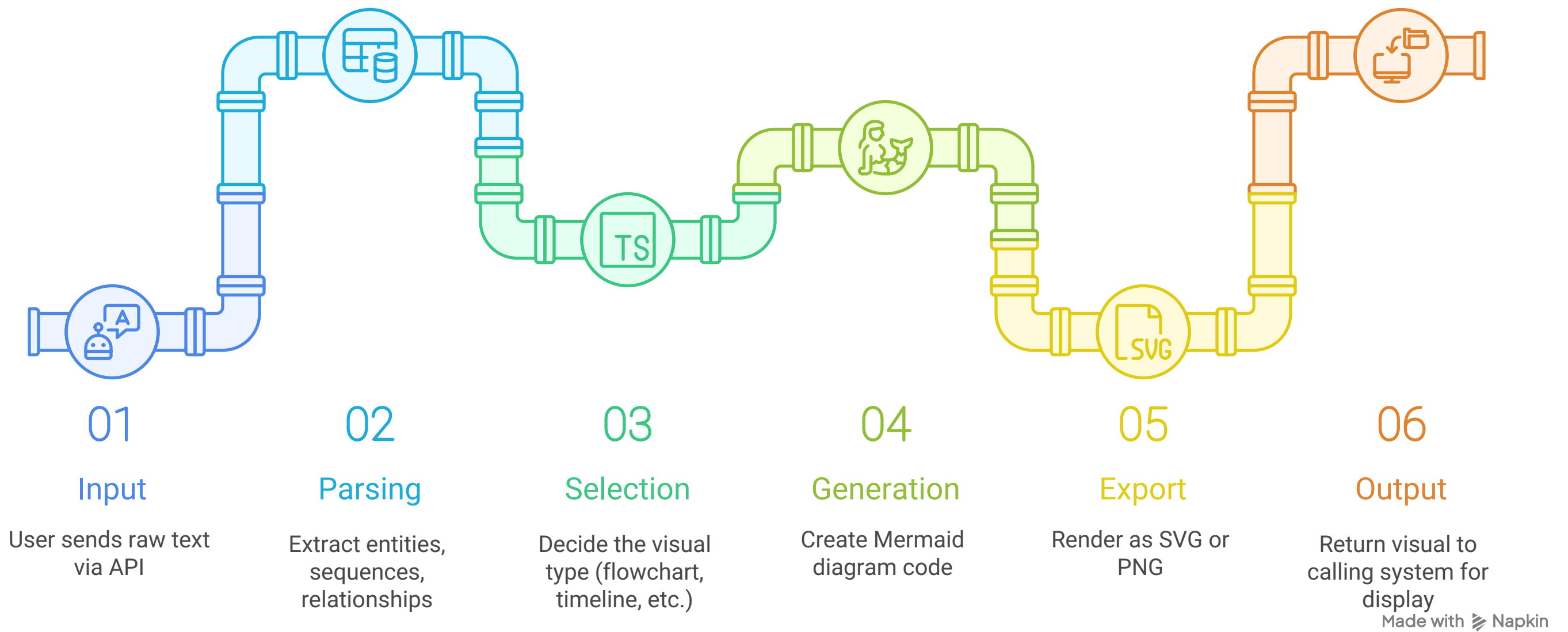
- 1. **Text Processor** – Parses and structures input text.
- 2. **Intent & Structure Detection** – Identifies relationships, hierarchy, and flow.
- 3. **Visualizer Selector** – Chooses the most fitting visual format.
- 4. **Renderer** – Converts structured data into diagram code (Mermaid).
- 5. **Exporter** – Outputs to SVG/PNG with theme support.
- 6. **API Layer** – FastAPI endpoints for mermaid and visual generation.



Workflow (Pipeline)

- 1. **Input:** User sends raw text via API.
- 2. **Parsing:** Extract entities, sequences, relationships.
- 3. **Selection:** Decide the visual type (flowchart, timeline, etc.).
- 4. **Generation:** Create Mermaid diagram code.
- 5. **Export:** Render as SVG or PNG.
- 6. **Output:** Return visual to calling system for display.

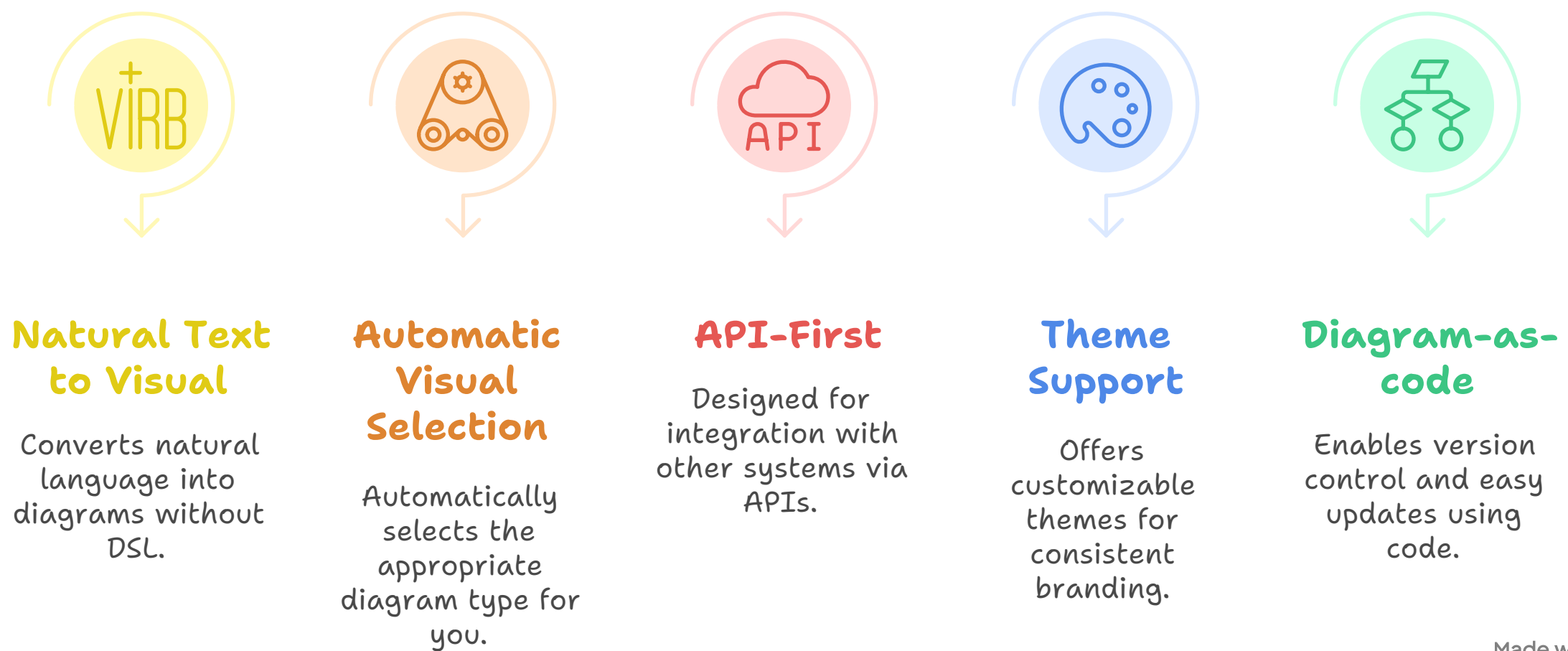
Visual as a Service Workflow



What's Different

- **From Natural Text** → Visual without requiring diagram DSL knowledge.
- **Automatic Visual Type Selection** [flow, sequence, timeline, etc.].
- **API-First** — built for integration, not standalone editor use.
- **Theme Support** for brand alignment.
- Leverages **diagram-as-code** for easy version control and updates.

Diagram benefits



Potentials / Next Steps

- Add more visual formats [charts, org charts, Gantt].
- Interactive diagrams that update live with text edits.
- GIF/video generation for animated flows.
- Browser extension & integrations for Docs, Jira, Confluence.
- Enterprise version with on-prem hosting & SSO.