



**Weatherford®**



## Canvas

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# Agenda



- Studio survey results
- Canvas design goals
- Demo
- Canvas roadmap
- Beta program



# Studio Survey Results

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# State of CygNet Studio



- Wanted to get user feedback about Studio before designing replacement
- Asked about the state of Studio today and what they'd like to see in the future
- 60 customers responded
- Also had longer conversations with customers and integrators

# Feedback



“I'm VERY excited you all are looking into making UI-related improvements. This is something that my company has requested for the last 6 years, so THANK YOU!

“Studio is really falling behind other HMI packages. Hopefully it will catchup, but I won't hold my breath.

“May the force be with you!

# Questions



- Most important Studio features / controls
- Least important Studio features / controls
- Preferred scripting language
- What would make Studio more useful
- Biggest frustrations with Studio
- New features

# Most Important



## Features

1. Scripting support
2. Nested views
3. ActiveX control support

## Controls

1. Grids
2. Text tools
3. Graphs / trends

# Least Important



## Features

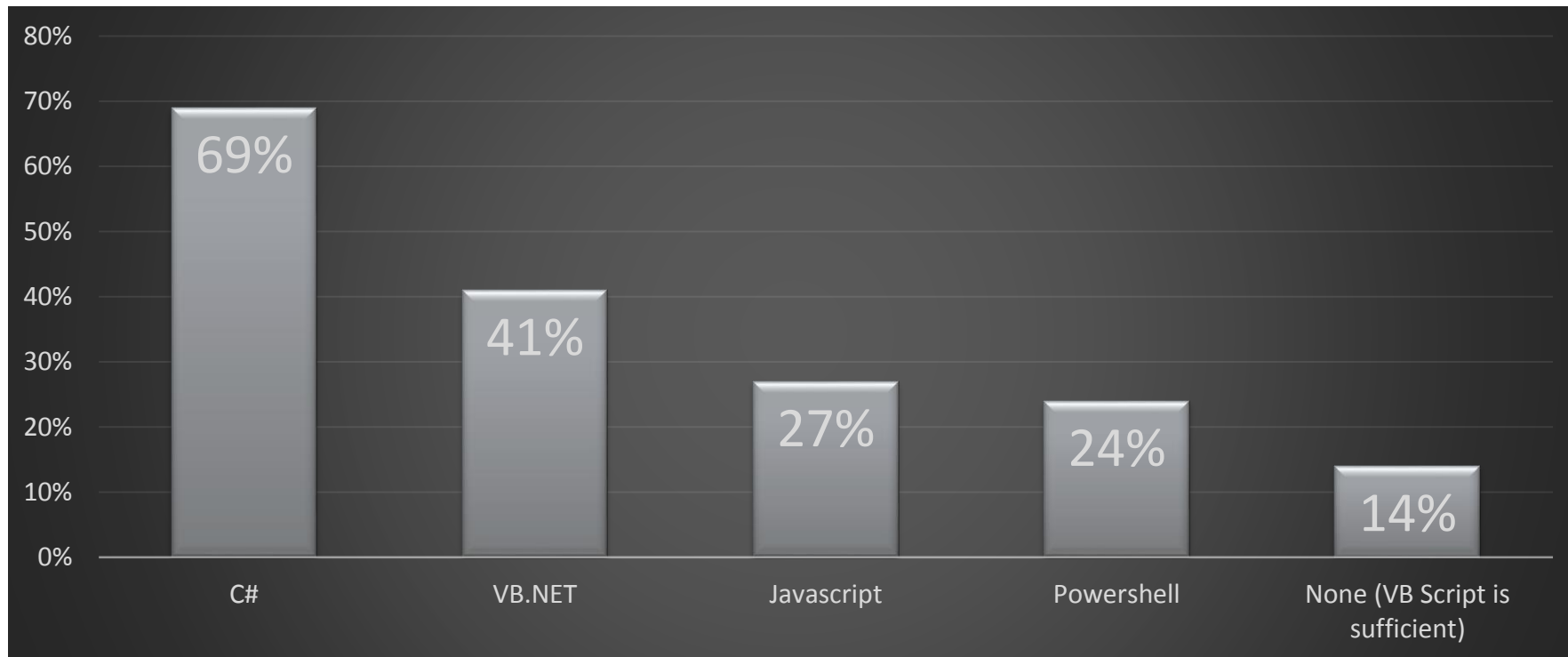
1. Workspaces
2. Object catalog

## Controls

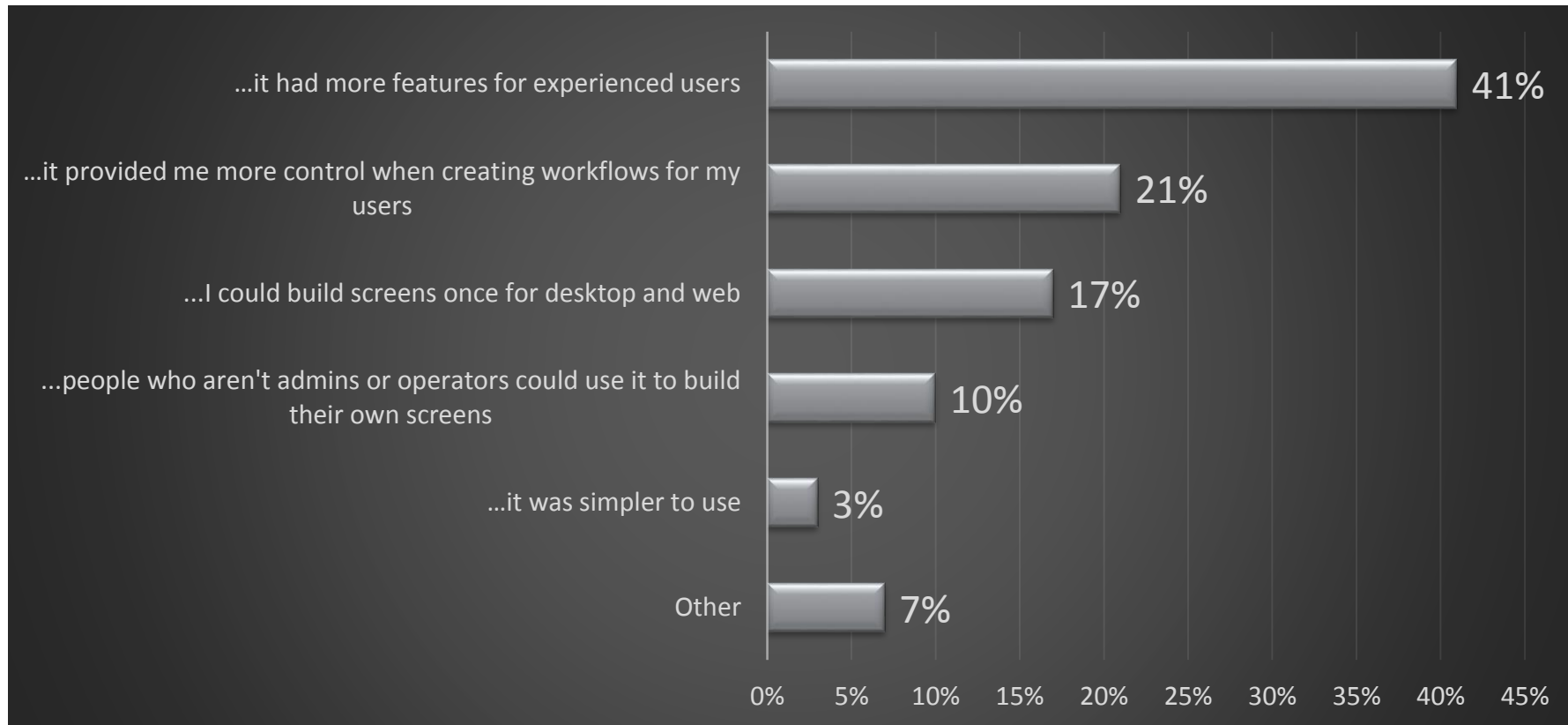
1. Shapes
2. Valves
3. Gauges



# New Scripting Language



# “CygNet Studio would be more useful if...”



# What is your biggest frustration with Studio?

“Feels like it is stuck in the windows 98 time period

“very slow, user interface seems very out of date

“UI looks like it is from 1998

“VBScript, please let us have a language  
with datatypes

“Lack of modern-looking toolsets/objects

“hard to develop modern and good looking screens

# What single new feature would you value?



“more current scripting engine

“better interface, more  
language support

“Modern interface

“Support for both .NET controls and languages”

“Updated coding environment with a  
built in, reliable debugger...”



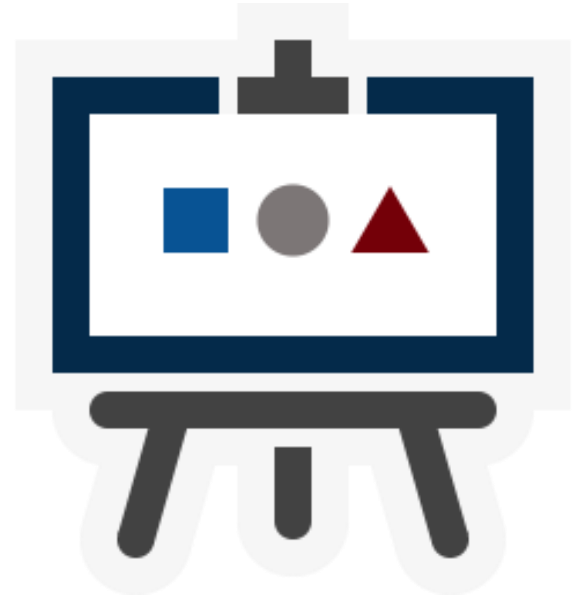
# Canvas Design Goals

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# Canvas Design Goals



- **Modernize** HMI user experience
- **Empower** experienced users
- **Enable** casual users
- Focus on **performance**



# Modernize



- New application built on .NET
- Support modern scripting languages: **VB.NET** and **C#**
- Script editor with intellisense and built-in debugging
- Multi-document editing interface

# Empower



- Leverage .NET languages for scripting
  - Native multi-threading
  - .NET libraries (LINQ, Collections, Forms, IO, etc.)
  - Extensible via custom assemblies
- All Canvas controls built using plug-in model



# Enable



- Advanced navigation options to allow screen builders to create better workflows
- Provide tools for quick configuration (drag-and-drop points, facilities, etc.)
- Eventually support simplified editor so inexperienced users can quickly build screens using predefined relationships

# Performance



- Better UI comes at a performance cost, so everything must be optimized
- We're still reliant on CygNet, for good and for bad
- We know if it looks pretty but acts ugly, we're wasting our time



# Canvas Demo

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# Canvas Roadmap

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# Canvas Roadmap



## CygNet 9.0

- Initial release
- C# & VB.NET language support
- Controls: Button, Text Tool, Grid
- Built-in script debugging

## CygNet 9.1

- Additional controls (trend / graph)
- Advanced navigational options
- Object templating
- Casual user interface elements

## Beyond 9.1

- Web viewer
- TBD

# From Studio to Canvas



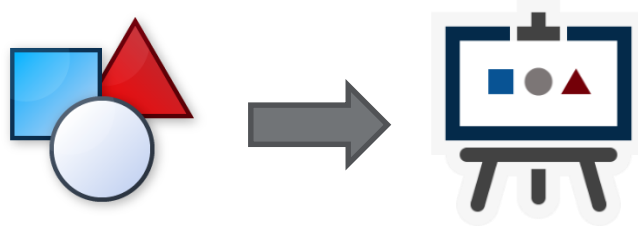
- Canvas won't fully replace Studio for many years

- However we want to inspire early adoption of Canvas to drive development and deliver useful features

- Reverse Q&A: *What would conversion look like at your company?*

*...while Canvas is catching up?*

*...after Canvas can fully replace Studio?*





# Beta Program

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# Canvas Beta: Help Us Help You



- What we expect:
  - Feedback via emails, conversations, surveys, etc.
  - Ideas for possible future enhancements
  - Want to hear from the people who build screens and the people who use screens
- What you get:
  - Early access to pre-release versions of Canvas
  - Influence on current development and on our roadmap
- How to sign up: Online survey at **cygnetblog.com**





For more information visit:

[www.cygnetsblog.com](http://www.cygnetsblog.com)

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