



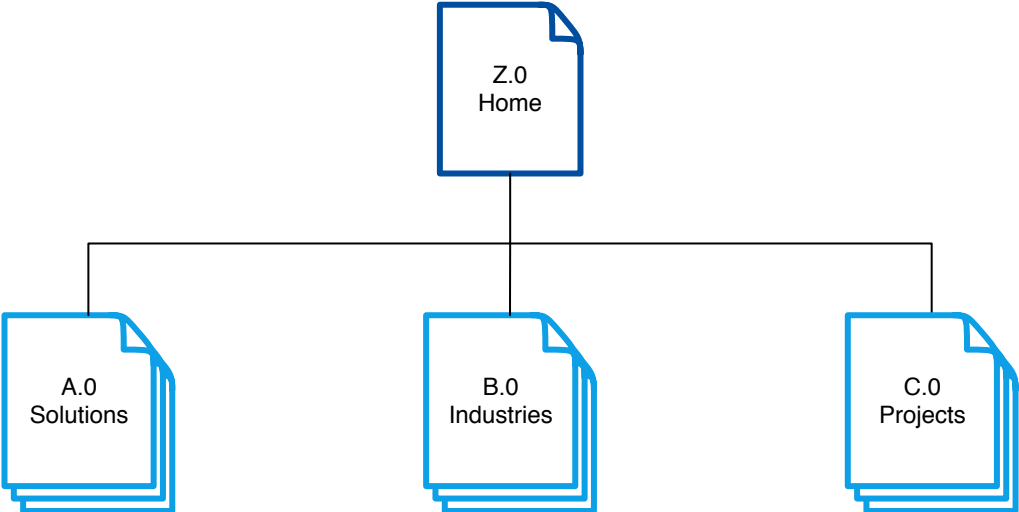
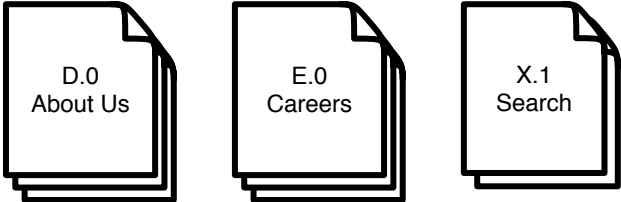
RESPEC Website Project User Experience Documentation

Document History

Date	Description	Author
15 Aug 16	Initial draft	k.winsor
22 Aug 16	Revisions to draft	k.winsor
23 Aug 16	Revisions to draft	k.winsor

Site Map - Primary Navigation

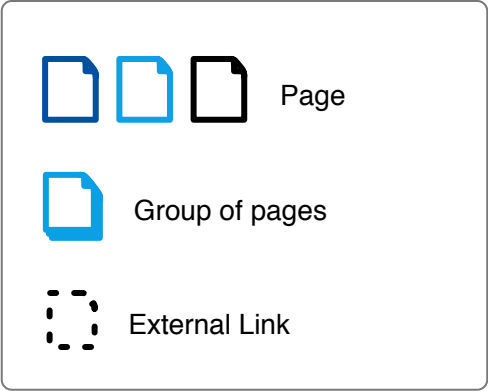
Eyebrow Navigation



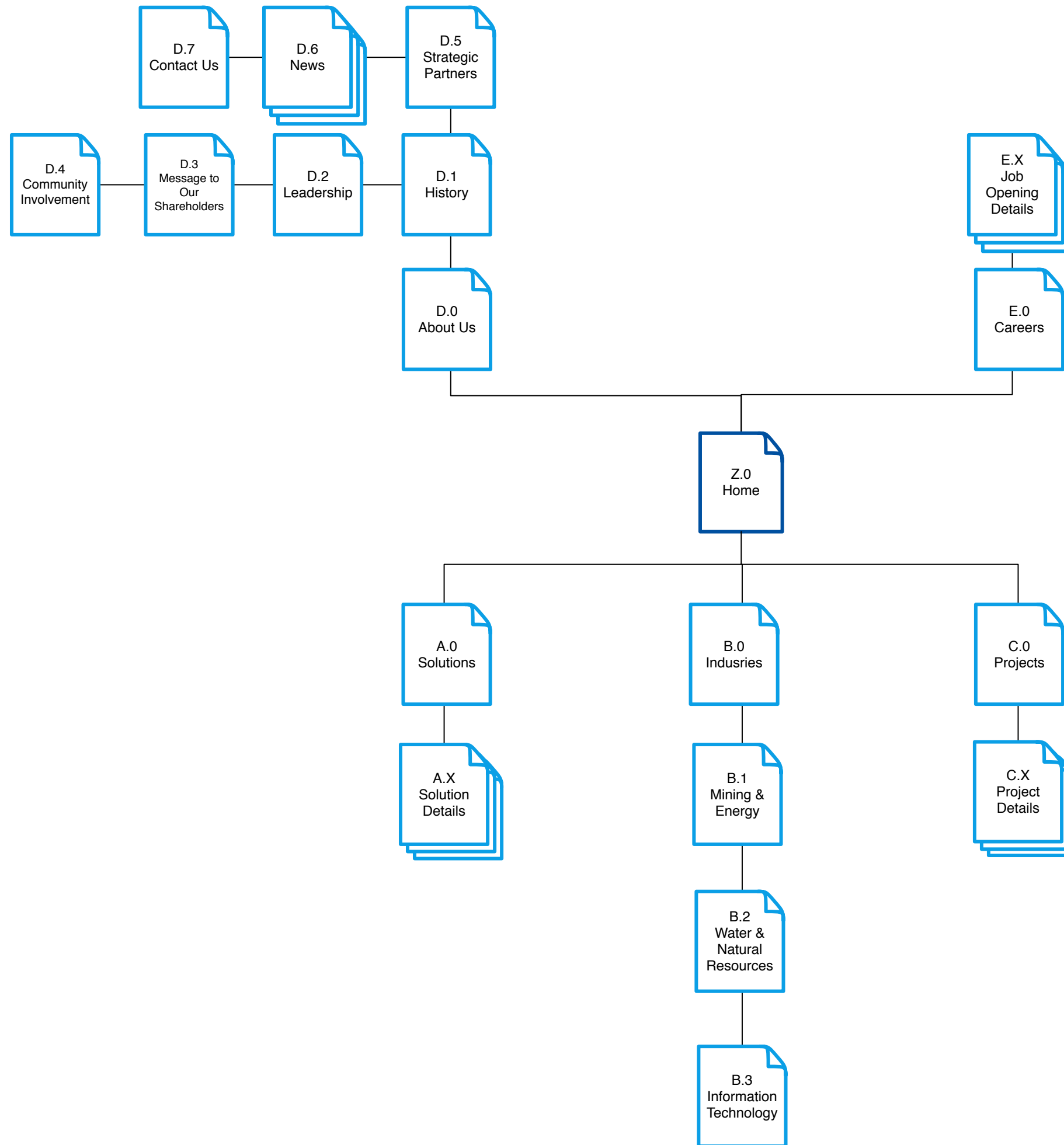
Footer Navigation



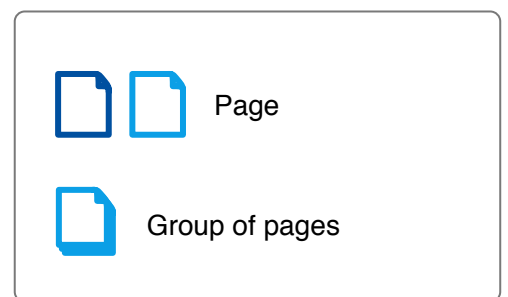
Key



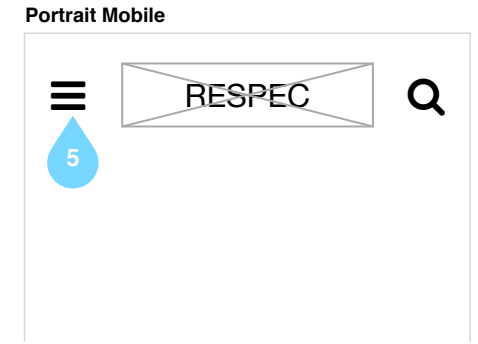
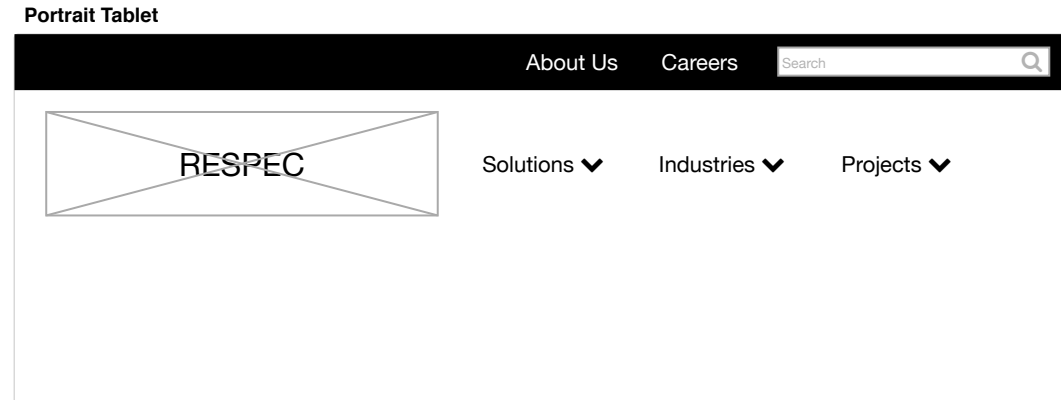
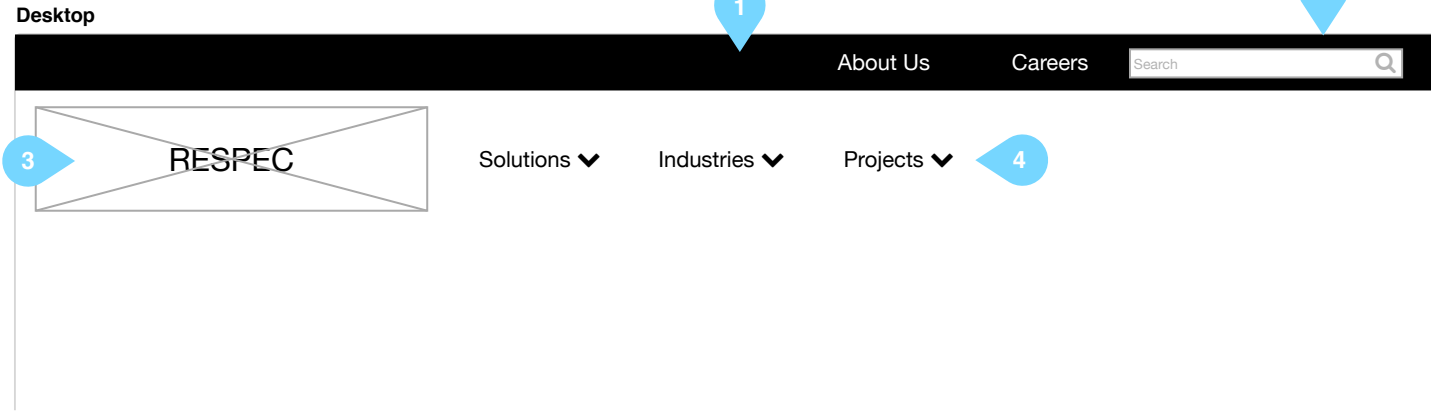
Site Map - Secondary Navigation



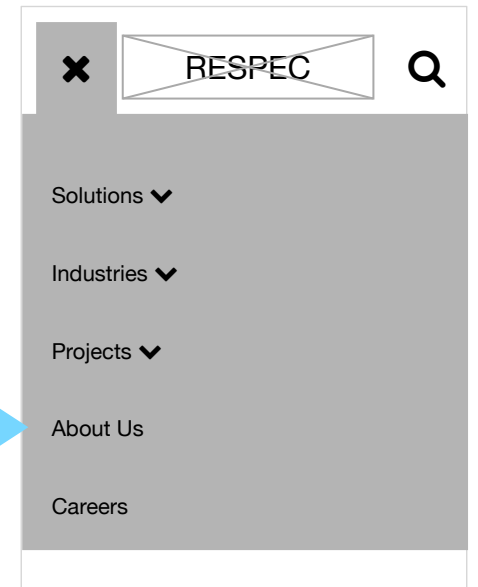
Key



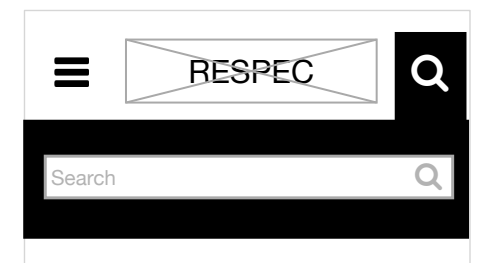
Navigation



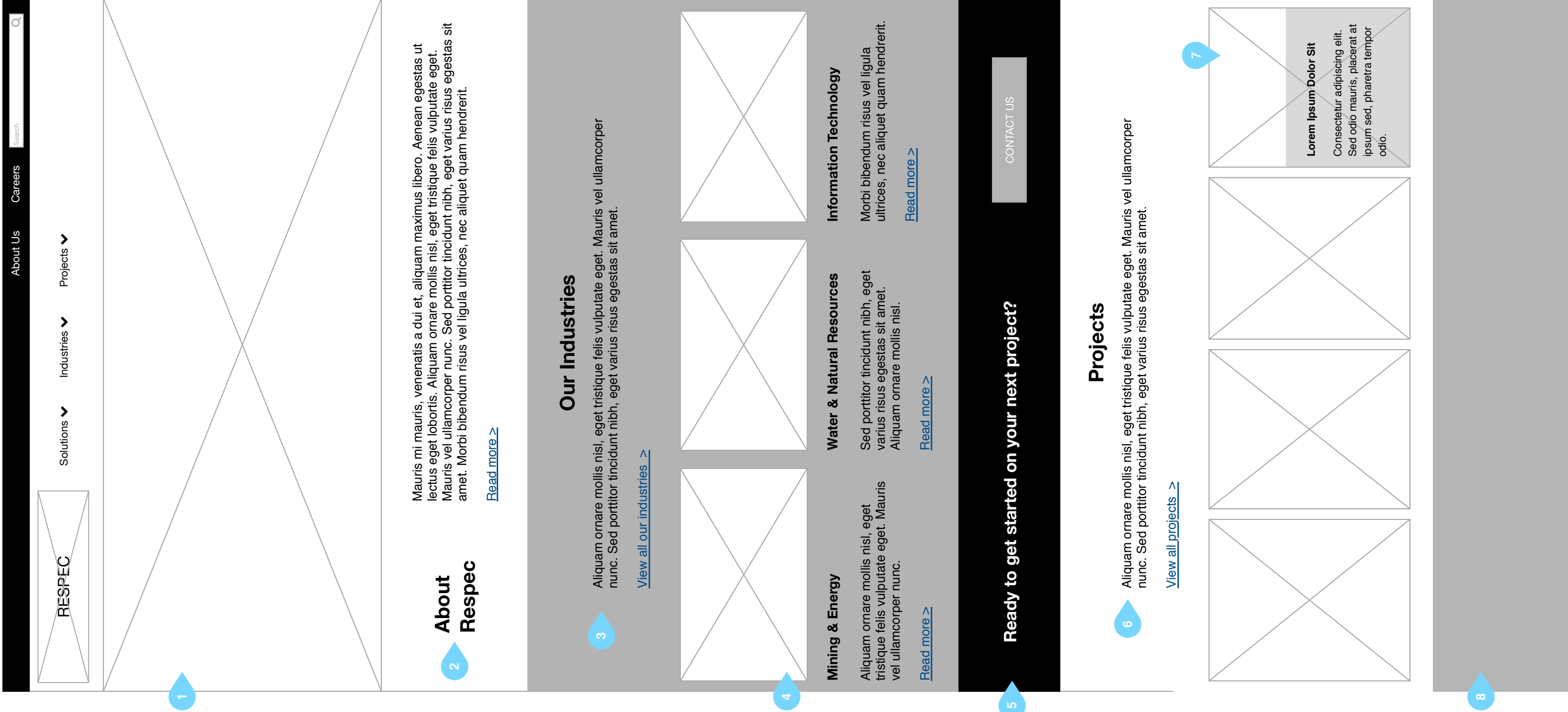
Portrait Mobile - Expanded Hamburger Menu



Portrait Mobile - Search



- 1 "Eyebrow" navigation
- 2 Search
- 3 Logo: from anywhere in the site, a user can click on the logo to return to the homepage
- 4 Primary navigation
- 5 At the smallest breakpoint (mobile) all primary navigation is accessible via hamburger navigation
- 6 Eyebrow navigation is secondary to primary navigation



Notes & Specifications

1 Hero Image

The homepage of the website leads with a hero image. This could be a static image, video, slideshow or cinemagraph.

2 About Text

A brief description of Respec with a link to read more

3 Industries

The three main industries Respec specializes in are featured in on the homepage.

4 Industry Card

Each industry card consists of an image, the name of the industry, a brief description and a call to action (CTA). Clicking on the CTA will take the user to the appropriate industry detail page.

5 Contact Call To Action (CTA)

Recent projects are featured on the homepage. A link to view all projects is provided.

6 Project Card

Each industry card consists of an image. When the user rolls over the image with their mouse, the name of the project and a short description appears. Clicking on the card will take the user to the appropriate project detail page.

7 Footer

This block represents the placement of the footer at the bottom of each page.

1

RESPEC

About Us Careers Search

Solutions Industries Projects

2 Mining & Energy
 Geomechanics
 Materials Testing
 Mining Engineering
 All Mining & Energy Solutions >

Water & Natural Resources
 Water Resource Engineering
 Environmental Services
 Watershed Management
 All Water & Natural Resources Solutions >

Information Technology
 IT Staff Augmentation
 Software Development
 Database Development
 All Information Technology Solutions >

GIS
 ESRI Software Deployment and Development
 Custom Geospatial Applications
 Geospatial Products
 All GIS Solutions >

3 View All Solutions >

4

Notes & Specifications

- 1 Mega/dropdown navigation reveals the second level of navigation for each of the primary navigation elements
- 2 Each of the main categories of solutions are listed horizontally. Under each of the main categories are featured solutions.
- 3 Each category has a link to view all applicable solutions. Clicking this link will take the user to the Solutions landing page with the appropriate filter applied.
- 4 The user can also access all solutions from this navigation element. Clicking this link will take the user to the Solutions landing page which will display in the default state with no filters applied.

About Respec

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[Read more >](#)

Our Industries

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[View all our industries >](#)

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Mining & Energy

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[Read more >](#)

Water & Natural Resources

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[Read more >](#)

Information Technology

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[Read more >](#)

Ready to get started on your next project?

[CONTACT US](#)

Projects

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[View all projects >](#)

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Solutions Industries Projects

RESPEC

Solutions

Home / Solutions

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4 All Solutions Mining & Energy Water & Natural Resources GIS Information Technology

5 **Data Migration**
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Systems Integration
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ESRI Software Deployment and Development
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GIS Services and Support
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Application Development
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SME Tools Analysis Toolset (STAT)
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Staff Augmentation
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Notes & Specifications

- Primary Navigation**
The primary navigation element is highlighted for visual affordance.
- Breadcrumbs**
The breadcrumb trail tracks and displays the page hierarchy in relation to the website's structure. This element allows users to keep track of their location and provides context for the information displayed on the page.
- Introductory copy**
- Solution Display Filters**
Default display is "All Solutions" but the user can click on any of the filters to remove solutions that do not apply. Multiple filters can be applied. The "All Solutions" filter acts as a clear all applied filters action. This interaction is explained in more detail on the Projects Landing Page.
- Solution Card**
Each card contains the solution name, a brief description and a call to action link. Clicking the call to action link will take the user to the appropriate Solution Detail page.



RESPEC

Materials Testing

Home / Solutions / Materials Testing

Notes & Specifications


- 1 **Solution Intro Statement**
- 2 **Solution Overview**
- 3 **Flyer Download**
If the user wishes to download more information, a button to get a PDF is provided.
- 4 **Additional Solution Details**
- 5 **Related Projects**
Projects that used this specific solution are featured in this space. Each project card contains a picture, brief description and a link to the project detail.
- 6 **View More Call to Action**
If additional projects that utilize this solution are available, a link to view these is provided. Clicking this link will take the user to the Projects landing page with the appropriate solution applied.
- 6 **Experts**
For each solution, a small selection of staff members who have specific knowledge about the solution and/or were involved in any of the featured projects are displayed at the bottom of the page.

1 RESPEC's salt-mechanics testing capabilities and experience are unmatched anywhere in the world.

2 **Materials Testing Flyer**

RESPEC's Materials Testing Laboratory closely integrates its activities to provide the properties data our clients and engineering analysts need. Our specialized testing supports the complete characterization of a rock's physical composition as well as its mechanical, hydrological, and thermal behavior.

In our Rapid City, South Dakota, headquarters, we have over 10,000 square feet of environmentally controlled floor space devoted specifically to testing rock; preparing samples; and storing, calibrating, and archiving records. We conduct our standardized testing according to the methods recommended by ASTM International, the International Society of Rock Mechanics, and the American Petroleum Institute.



Aliquam ornare mollis nisi, eget tristique felis vulputate eget. Mauris vel ullamcorper nunc.

[Download](#)

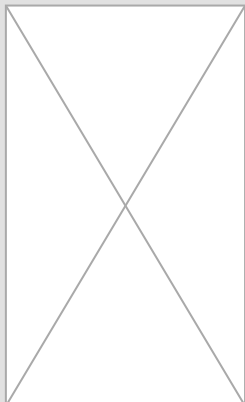
- 4 **RESPEC's mine engineering capabilities include:**
- Thermal Properties Measurements
 - Innovative Permitting and Environmental Impact Studies
 - Mechanical and Hydrological Properties Measurements
 - Constitutive Model Development
 - Rock/Fluid Interaction Studies
 - Specialty Specimen Preparation
 - Customized Testing
 - Well Casing Studies
- RESPEC facilities:**
- Thermal Properties Laboratory
 - Mechanical and Hydrologic Properties Laboratory
 - Metrology Laboratory
 - Specimen Preparation Shop
 - Core Storage

5 **Materials Testing Projects**

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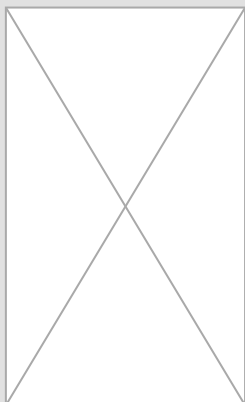
[Read more >](#)



Vehicula Tristique

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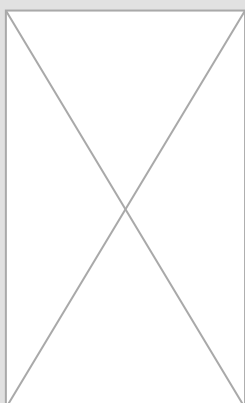
[Read more >](#)



Tempor Ligula Placerat Vulputate Tortor


Morbi bibendum risus vel ligula ultrices, nec aliquet quam hendrerit.

[Read more >](#)




[View more projects](#)

7 **Our Experts**



Leo Van Sambeek
Vice President/Principal Consultant
Leo.VanSambeek@respec.com



Garrie Krueger
Senior Mining Engineer
Garrie.Krueger@respec.com

1

RESPEC

Solutions ▾ Industries ▴ Projects ▾

About Us Careers Search

2

Mining & Energy

Water & Natural Resources

Information Technology

Notes & Specifications

- 1 Mega/dropdown navigation reveals the second level of navigation for each of the primary navigation elements
- 2 Each of the industries is displayed with its icon. Clicking the icon/name will take the user to the appropriate Industry detail page.

About Respec

Mauris mi mauris, venenatis a dui et, aliquam maximus libero. Aenean egestas ut lectus eget lobortis. Aliquam ornare mollis nisi, eget tristique felis vulputate eget. Mauris vel ullamcorper nunc. Sed porttitor tincidunt nibh, eget varius risus egestas sit amet. Morbi bibendum risus vel ligula ultrices, nec aliquet quam hendrerit.

[Read more >](#)

Our Industries

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[View all our industries >](#)

Mining & Energy

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[Read more >](#)

Water & Natural Resources

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[Read more >](#)

Information Technology

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[Read more >](#)

Ready to get started on your next project?

[CONTACT US](#)


Projects

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[View all projects >](#)

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1
About Us Careers



Solutions ▾

Industries ▾

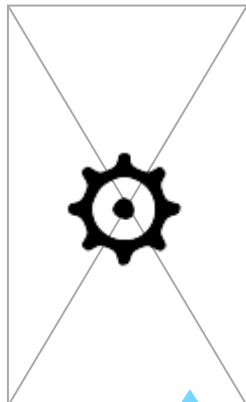
Projects ▾

Industries

Home / Industries

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3 Duis tempor, tellus at auctor imperdiet, magna nibh iaculis felis, a laoreet ante risus quis eros. Aenean hendrerit feugiat condimentum. Vestibulum semper lorem sit amet enim pulvinar, quis facilisis metus facilisis. Nam ut quam non leo dapibus posuere non sed odio.



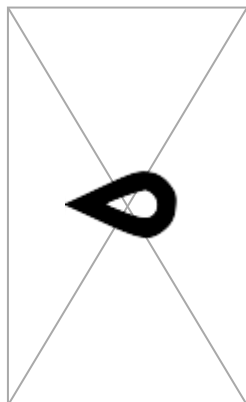
4 Aliquam ornare mollis nisi, eget tristique felis vulputate eget. Mauris vel ullamcorper nunc.

[Read more >](#)

Water & Natural Resources

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[Read more >](#)



Mining & Energy

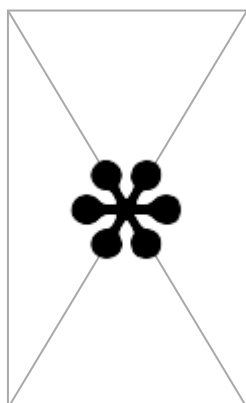
Aliquam ornare mollis nisi, eget tristique felis vulputate eget. Mauris vel ullamcorper nunc.

[Read more >](#)

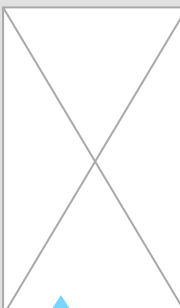
Information Technogloy

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[Read more >](#)



5



GIS Center of Excellence

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[View our GIS Solutions >](#)

Notes & Specifications

- 1 Primary Navigation**
The primary navigation element is highlighted for visual affordance.
- 2 Breadcrumbs**
The breadcrumb trail tracks and displays the page hierarchy in relation to the website's structure. This element allows users o keep track of their location and provides context for the information displayed on the page.
- 3 Introductory copy**
- 4 Industry Card**
Each card contains a picture, the icon for the industry, the industry name, a brief description and a call to action link. Clicking the call to action link will take the user to the appropriate Industry Detail page.
- 5 GIS Center of Excellence**
While not an industry in the strictest sense of the word, the GIS Center of Excellence is a group of solutions that we could feature on this page. The call to action takes the user to the Solutions Landing page with the GIS filter applied.



Solutions ▾

Industries ▾

Projects ▾

Information Technology

Home / Industries / Information Technology

1

Organizations today face a number of challenges because of rapidly evolving technologies and a complex business environment. Consequently, there is a serious need to match technology with business objectives. We extend our knowledge and expertise with six major areas of IT to ensure that the technology you use is aligned with your business objectives. At POD, we are also data experts and we do everything related to data. POD has the expertise and knowledge to manage, warehouse, clean, transform, migrate, analyze, integrate, track, store, and display your data.

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- Lorem ipsum dolor sit amet, consectetur adipiscing elit.
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2

Information Technology Projects



[Independent Verification and Validation](#)



[Data Legacy Migration](#)



[Data Analysis, Reporting and Warehousing](#)



[Application Development](#)

View more projects

3

Solutions for Information Technology

4

Data Migration

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[Learn more >](#)

Systems Integration

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[Learn more >](#)

Application Development

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[Learn more >](#)

Collaborative Online Archival Library (COAL)

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[Learn more >](#)

SME Tools Analysis Toolset (STAT)

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[Learn more >](#)

Staff Augmentation

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Data Migration

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Application Development

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[Learn more >](#)

Notes & Specifications

1 Industry Copy

2 Featured Products

A couple of featured projects will be displayed on the page. Each project has a thumbnail and a link to view the detail for that project.

3 View More Call to Action

All the projects associated with an Industry won't be able to be featured on this page, just a couple. Linking to the Projects section will allow the user to view more.

4 Applicable Solutions

Each Industry has Solutions associated with it. These are listed on the Industry detail page. Clicking the call to action associated with a solution will take the user to the appropriate Solution Detail page.

At 1 Us Careers

RESPEC

Solutions Industries Projects

2 Industries

- Mining & Energy
- Water & Natural Resources
- Information Technology

Solutions

- Custom Geospatial Applications
- Database Development
- Environmental Services
- ESRI Software Deployment and Development
- Explosives Engineering
- Geological and Field Services
- Geomechanics

Industries

- Mining Engineering
- Modeling Services
- Software Development
- Spatial Database Development
- Water Resource Engineering
- Watershed Management

3 View All Projects >

Notes & Specifications

- 1 Mega/dropdown navigation reveals the second level of navigation for each of the primary navigation elements
- 2 Industries and Solutions are listed for easy access to applicable projects. Clicking a link under a header will take the user to the Projects landing page with the appropriate filter applied.
- 3 The user can also access all projects from this navigation element. Clicking this link will take the user to the Projects landing page which will display in the default state with no filters applied.

About Respec

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[Read more >](#)

Our Industries

Aliquam ornare mollis nisi, eget tristique felis vulputate eget. Mauris vel ullamcorper nunc. Sed porttitor tincidunt nibh, eget varius risus egestas sit amet.

[View all our industries >](#)

X

X

X

Mining & Energy

Aliquam ornare mollis nisi, eget tristique felis vulputate eget. Mauris vel ullamcorper nunc.

[Read more >](#)

Water & Natural Resources

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[Read more >](#)

Information Technology

Morbi bibendum risus vel ligula ultrices, nec aliquet quam hendrerit.

[Read more >](#)

Ready to get started on your next project?

[CONTACT US](#)

Projects

Aliquam ornare mollis nisi, eget tristique felis vulputate eget. Mauris vel ullamcorper nunc. Sed porttitor tincidunt nibh, eget varius risus egestas sit amet.

[View all projects >](#)

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Lorem Ipsum Dolor Sit

Consectetur adipiscing elit. Sed odio mauris, placerat at ipsum sed, pharetra tempor odio.



A 1 Us Careers
Search

Solutions ▾
Industries ▾
Projects ▾



Projects

[Home](#) / [Projects](#)

Duis tempor, tellus at auctor imperdiet, magna nibh iaculis felis, a laoreet ante risus quis eros. Aenean hendrerit feugiat condimentum. Vestibulum semper lorem sit amet enim pulvinar, quis facilisis metus facilisis. Nam ut quam non leo dapibus posuere non sed odio.

All Projects

Information Technology ✕

Mining & Energy

Water & Natural Resources

GIS

Custom Geospatial Applications

Database Development

Data Migration ✕

Environmental Services

ESRI Software Deployment and Development

Explosives Engineering

Geological and Field Services

Geomechanics

Geospatial Analysis

Geospatial Products

GIS Services and Support

IT Project Management

IT Staff Augmentation

Materials Testing

Mining Engineering

Software Development

Spatial Database Development

Water Resource Engineering

Watershed Management

Indian Health Services Office of Technology

- ✿ Information Technology
- ✿ Database Development, IT Staff Augmentation, Data Migration

[Learn more >](#)

The NPIRS Story

- ✿ Information Technology
- ✿ Data Migration

[Learn more >](#)

Slope Stability Monitoring

- ✿ Mining & Energy
- ✿ Information Technology
- ✿ Data Migration, Materials Testing

[Learn more >](#)

Cloud-Based Modeling and Simulation as a Service

- ✿ Information Technology
- ✿ Data Migration, Biz Process Engineering

[Learn more >](#)

Notes & Specifications

- 1 **Primary Navigation**
The primary navigation element is highlighted for visual affordance.
- 2 **Breadcrumbs**
The breadcrumb trail tracks and displays the page hierarchy in relation to the website's structure. This element allows users keep track of their location and provides context for the information displayed on the page.
- 3 **Introductory copy**
- 4 **Project Display Filters**
Filters are listed for both industries and solutions.
- 5 **Selected Filter**
Multiple filters can be selected. When a filter is selected, the state changes to indicate selection. An "X" appears in the filter box as well. Clicking on the "X" will remove the filter and the corresponding Project Cards from the body of the page.
- 6 **Project Card**
Each card contains a picture, the solution name, the industries the project served, the solutions used and a call to action link. Clicking the call to action link will take the user to the appropriate Project Detail page.



Horse Creek Abandoned Mine

Home / Projects / Horse Creek Abandoned Mine

1 RESPEC was selected by the State of Wyoming Department of Environmental Quality, Abandoned Mine Lands Division, to conduct field investigations and inventory abandoned underground and surface mining features associated with the Horse Creek Limestone Mine.

2 Download PDF

3 Project Details

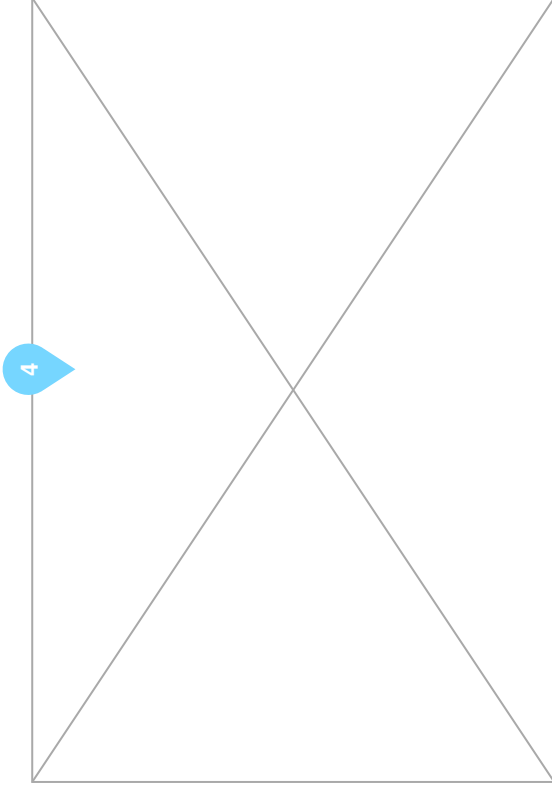
4 Wyoming Department of Environmental Quality, Abandoned Mine Lands Division

5 2002 - 2004

6 Wyoming

7 Mining & Engineering

8 Explosives Engineering, Materials Testing, Database Development

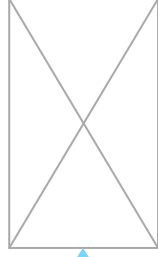


5 RESPEC was selected by the State of Wyoming Department of Environmental Quality, Abandoned Mine Lands Division, to conduct field investigations and inventory abandoned underground and surface mining features associated with the Horse Creek Limestone Mine. During 2002, RESPEC engineers evaluated over 20,000 linear feet of underground workings and over 10,000 linear feet of surface cut highwall that are accessible to the public and pose significant safety risks. The investigation and evaluation encompassed historic mining activity over a strike length of over four miles, with 178 features identified, prioritized for closure, and presented in a Report of Investigation to the State of Wyoming in January, 2003. The work at Horse Creek also included landowner consents and clearances, determination of eligibility for funding, threatened and endangered species survey, analysis of historic mining activity, and cultural resource surveys.

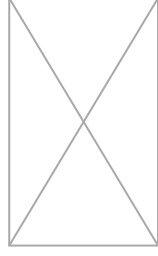
Of the 178 features inventoried, 22 were classified as extreme hazards and 12 were classified as severe hazards. RESPEC developed a hazard ranking system that takes into account feature conditions, accessibility, visibility, and potential consequences. RESPEC recommended the closure of all extreme and severe hazards, plus an additional 23 safety concerns. The State of Wyoming accepted these recommendations and retained RESPEC to produce plans and specifications for closure design.

Features designated for closure were grouped into logical construction packages that resulted in a phased approach to design and construction. Plans and specifications for the first phase were finalized and accepted by the State of Wyoming in October, 2003. These plans and specifications formed the bid package focused on the closure of underground mine workings planned for 2004. RESPEC was successful in promoting a very competitive bidding process that attracted several major construction firms specializing in underground work, and assisted the State of Wyoming in the Contractor pre-qualification process.

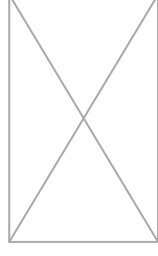
RESPEC was also retained by the State of Wyoming to perform construction management at Horse Creek.



9 Lorem ipsum description



10 Vehicula tristique description



11 Tempor Ligula Placerat Vulputate Tortor description

Notes & Specifications

- 1 **Executive Summary**
A brief description of the project
- 2 **PDF Download**
If the user wishes to download the project case study, a button to get the PDF is provided.
- 3 **Project Details**
Useful high-level details of the project can be pulled out and displayed here. Client name, project date/duration, location, applicable industry (or industries) and solutions.
The industry and solutions will be links to the appropriate page in the site.
This section could be expanded to include bullet points for the project challenge, solution and results.
- 4 **Main Project Image**
- 5 **Project Description**
A more detailed description of the project
- 6 **Additional Project Images**
If necessary, this could be a carousel to accommodate additional images. A description of what is being displayed in each image will provide context. Clicking on the image would display a larger version with the description in an overlay.

