



Performance Report for: <http://www.aesg.com/>

Report generated: Thu, Mar 14, 2024 12:18 AM -0700
 Test Server Location: London, UK
 Using: Chrome 117.0.0.0, Lighthouse 11.0.0

B	Performance	Structure	L. Contentful Paint	T. Blocking Time	C. Layout Shift
	99%	63%	1.5s	16ms	0

Top Issues

High	Avoid enormous network payloads <small>LCP</small>	Total size was 12.8MB
Med	Use explicit width and height on image elements <small>CLS</small>	9 images found
Med-Low	Serve static assets with an efficient cache policy	Potential savings of 298KB
Med-Low	Enable text compression <small>FCP LCP</small>	Potential savings of 1.06MB
Med-Low	Avoid an excessive DOM size <small>TBT</small>	1,296 elements

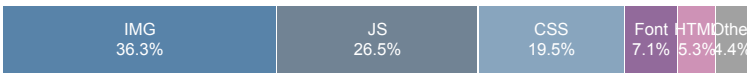
Page Details



Total Page Size - 12.8MB



Total Page Requests - 113



■ HTML
 ■ JS
 ■ CSS
 ■ IMG
 ■ Video
 ■ Font
 ■ Other

How does this affect me?

Today's web user expects a fast and seamless website experience. Delivering that fast experience can result in increased visits, conversions and overall happiness.

As if you didn't need more incentive, **Google has announced that they are using page speed in their ranking algorithm.**

About GTmetrix

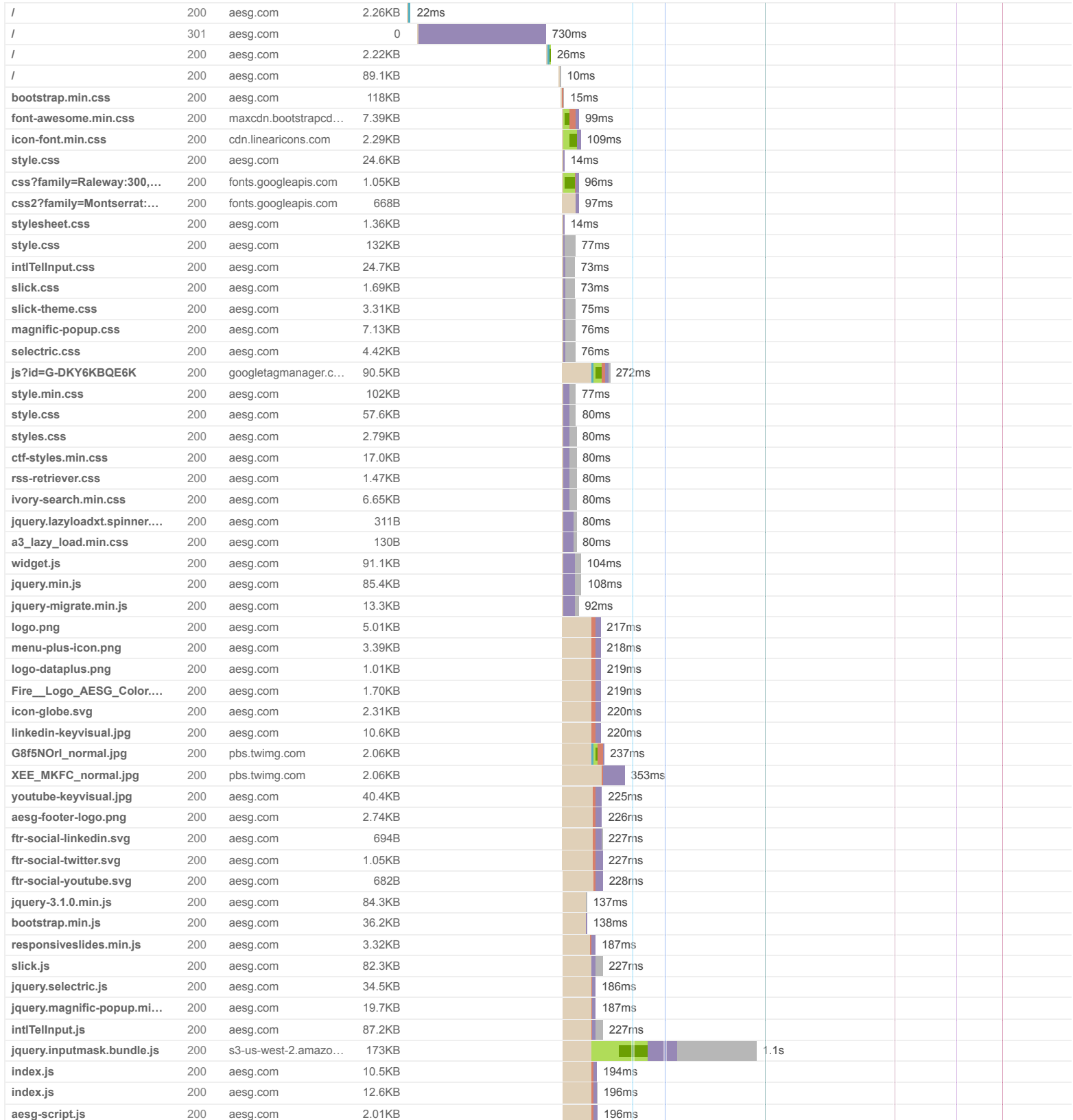


GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 28 years experience in web technology.

<https://carbon60.com/>

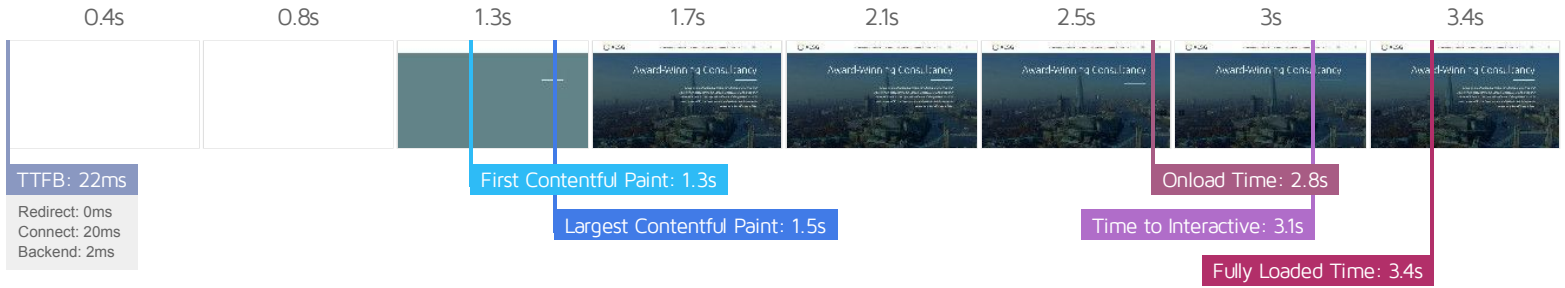
The waterfall chart displays the loading behaviour of your site in your selected browser. It can be used to discover simple issues such as 404's or more complex issues such as external resources blocking page rendering.

AESG | International Consultancy, Engineering and Advisory Firm



jquery.lazyloadxt.extra.mi...	200	aesg.com	2.94KB	197ms						
jquery.lazyloadxt.srcset....	200	aesg.com	1.54KB	197ms						
jquery.lazyloadxt.extend.js	200	aesg.com	1.02KB	198ms						
api.js?render=6Ldp0K4m...	200	google.com	1.16KB	246ms						
wp-polyfill-inert.min.js	200	aesg.com	7.98KB	200ms						
regenerator-runtime.min.js	200	aesg.com	6.45KB	201ms						
wp-polyfill.min.js	200	aesg.com	15.8KB	202ms						
index.js	200	aesg.com	991B	202ms						
ivory-search.min.js	200	aesg.com	4.48KB	203ms						
ctf-scripts.min.js	200	aesg.com	15.8KB	205ms						
rss-retriever-ajax.js	200	aesg.com	1.01KB	213ms						
menu-side-accent.png	200	aesg.com	65.6KB	45ms						
home-slide-accent.svg	200	aesg.com	3.12KB	32ms						
home-about-featured.jpg	200	aesg.com	171KB	41ms						
bg-counter-blue.jpg	200	aesg.com	101KB	41ms						
AESG_Website_Side-Ban...	200	aesg.com	18.7KB	38ms						
home-expertise-dubai.jpg	200	aesg.com	49.4KB	39ms						
tower-london.jpg	200	aesg.com	251KB	56ms						
riyadh.jpg	200	aesg.com	130KB	58ms						
home-expertise-singapor...	200	aesg.com	96.8KB	57ms						
location-abudhabi.webp	200	aesg.com	161KB	59ms						
location-al-ula.webp	200	aesg.com	187KB	62ms						
location-riyadh.webp	200	aesg.com	105KB	63ms						
location-safrica.webp	200	aesg.com	209KB	72ms						
the-triangle.jpg	200	aesg.com	88.0KB	63ms						
project-east-village.jpg	200	aesg.com	196KB	71ms						
Bahrain-thermal-header-1...	200	aesg.com	100KB	69ms						
Sus-pav-preview-550x550...	200	aesg.com	99KB	69ms						
AESG_Website_Projects_...	200	aesg.com	152KB	68ms						
AESG_Website_Side-Ban...	200	aesg.com	20.6KB	62ms						
Home-Banner-1.jpg	200	aesg.com	809KB	80ms						
Home_Banner-1.jpg	200	aesg.com	267KB	72ms						
Home_Banner.jpg	200	aesg.com	1.39MB	89ms						
Home_Banner.jpg	200	aesg.com	1.36MB	102ms						
Ubuntu-Regular.woff2	200	aesg.com	96.9KB	209ms						
fontawesome-webfont.wo...	200	maxcdn.bootstrapcdncd...	75.9KB	268ms						
Ubuntu-Bold.woff2	200	aesg.com	82.3KB	221ms						
Ubuntu-Light.woff2	200	aesg.com	113KB	222ms						
ElegantIcons.woff	200	aesg.com	62.2KB	219ms						
Ubuntu-Medium.woff2	200	aesg.com	88.0KB	222ms						
AESG_Intro_o iub9u.mp4	206	res.cloudinary.com	3.11MB	324ms						
recaptcha_en.js	200	gstatic.com	194KB	77ms						
wp-emoji-release.min.js?...	200	aesg.com	18.3KB	5ms						
widget_iframe.2b2d73daf...	200	platform.twitter.com	104KB	64ms						
ajax-loader.gif	200	aesg.com	4.08KB	8ms						
banner-digital.jpg	200	aesg.com	535KB	45ms						
banner-windmill.jpg	200	aesg.com	217KB	41ms						
banner-dubai.jpg	200	aesg.com	363KB	45ms						
anchor?ar=1&k=6Ldp0K4...	200	google.com	28.0KB	63ms						
settings?session_id=2ea...	200	syndication.twitter.com	337B	137ms						
manifest.json	200	aesg.com	1.86KB	15ms						
styles_ltr.css	200	gstatic.com	24.0KB	28ms						
recaptcha_en.js	200	gstatic.com	194KB	51ms						
v77SiQbcxtK105ek11Tdlo...	200	google.com	7.17KB	10ms						
logo_48.png	200	gstatic.com	2.18KB	10ms						
KFOmCnqEu92Fr1Mu4mx...	200	fonts.gstatic.com	15.0KB	156ms						
KFOICnqEu92Fr1MmEU9f...	200	fonts.gstatic.com	15.2KB	156ms						
webworker.js?hl=en&v=Q...	200	google.com	135B	16ms						
favicon-32x32.png	200	aesg.com	1.60KB	6ms						
POST reload?k=6Ldp0K4...	200	google.com	10.2KB	57ms						

113 Requests 12.8MB (14.8MB Uncompressed) Fully Loaded 3.4s (Onload 2.8s)



Performance Metrics

<p>First Contentful Paint</p> <p>How quickly content like text or images are painted onto your page. A good user experience is 0.9s or less.</p>	<p>Good - Nothing to do here</p> <p>1.3s</p>	<p>Time to Interactive</p> <p>How long it takes for your page to become fully interactive. A good user experience is 2.5s or less.</p>	<p>Good - Nothing to do here</p> <p>3.1s</p>
<p>Speed Index</p> <p>How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.</p>	<p>Good - Nothing to do here</p> <p>2.0s</p>	<p>Total Blocking Time</p> <p>How much time is blocked by scripts during your page loading process. A good user experience is 150ms or less.</p>	<p>Good - Nothing to do here</p> <p>16ms</p>
<p>Largest Contentful Paint</p> <p>How long it takes for the largest element of content (e.g. a hero image) to be painted on your page. A good user experience is 1.2s or less.</p>	<p>Good - Nothing to do here</p> <p>1.5s</p>	<p>Cumulative Layout Shift</p> <p>How much your page's layout shifts as it loads. A good user experience is a score of 0.1 or less.</p>	<p>Good - Nothing to do here</p> <p>0</p>

Browser Timings

Redirect	0ms	Connect	20ms	Backend	2ms
TTFB	22ms	First Paint	1.3s	DOM Int.	2.0s
DOM Loaded	2.0s	Onload	2.8s	Fully Loaded	3.4s

IMPACT AUDIT

Med-Low

Avoid multiple page redirects FCP LCP

Potential savings of 863ms

Redirects introduce additional delays before the page can be loaded.

URL	TIME SPENT
• http://www.aesg.com/	60ms
• http://www.aesg.com/	729ms
• https://aesg.com/	73ms
• https://aesg.com/	0ms

Med-Low

Eliminate render-blocking resources FCP LCP

Potential savings of 260ms

Resources are blocking the first paint of your page. Consider delivering critical JS/CSS inline and deferring all non-critical JS/styles.

Resources that **may** be contributing to render-blocking include:

URL	TRANSFER SIZE	DOWNLOAD TIME
• https://aesg.com/wp-content/themes/aesg-me/assets/framework/css/bootstrap.min.css	119KB	1.7s
• https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css	7.39KB	943ms
• https://cdn.linearicons.com/free/1.0.0/icon-font.min.css	2.29KB	874ms
• https://aesg.com/wp-content/themes/aesg-me/assets/fonts/elegant_font/HTML_CSS/style.css	25.0KB	151ms
• https://fonts.googleapis.com/css?family=Raleway:300,400,500,600,700&display=swap	1.05KB	774ms
• https://fonts.googleapis.com/css2?family=Montserrat:wght@300;400&display=swap	668B	153ms
• https://aesg.com/wp-content/themes/aesg-me/style.css	132KB	606ms
• https://aesg.com/wp-content/themes/aesg-me/assets/css/intlTelInput.css	25.0KB	151ms
• https://aesg.com/wp-content/themes/aesg-me/assets/css/magnific-popup.css	7.43KB	151ms
• https://aesg.com/wp-includes/css/dist/block-library/style.min.css	102KB	454ms
• https://aesg.com/wp-content/plugins/layout-grid/style.css	57.9KB	303ms
• https://aesg.com/wp-content/plugins/custom-twitter-feeds/css/cf-styles.min.css	17.3KB	151ms
• https://aesg.com/wp-content/plugins/easy-twitter-feeds/public/js/widget.js	91.5KB	454ms
• https://aesg.com/wp-includes/js/jquery/jquery.min.js	85.8KB	454ms
• https://aesg.com/wp-includes/js/jquery/jquery-migrate.min.js	13.6KB	151ms

Med-Low

Defer offscreen images

Potential savings of 5.21MB

Consider lazy-loading offscreen and hidden images after all critical resources have finished loading to lower time to interactive.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://aesg.com/wp-content/uploads/2024/01/Home_Banner.jpg	1.39MB	1.39MB
https://aesg.com/wp-content/uploads/2023/12/Home_Banner.jpg	1.36MB	1.36MB
https://aesg.com/wp-content/uploads/2024/03/Home-Banner-1.jpg	809KB	809KB
https://aesg.com/wp-content/uploads/2024/03/Home_Banner-1.jpg	267KB	267KB
https://aesg.com/wp-content/themes/aesg-me/assets/img/location-safrica.webp	209KB	209KB
https://aesg.com/wp-content/uploads/2021/06/project-east-village.jpg	196KB	196KB
https://aesg.com/wp-content/themes/aesg-me/assets/img/location-al-ula.webp	187KB	187KB
https://aesg.com/wp-content/themes/aesg-me/assets/img/location-abudhabi.webp	161KB	161KB
https://aesg.com/wp-content/uploads/2021/02/AESG_Website_Projects_Masdar.jpg	152KB	152KB
https://aesg.com/wp-content/themes/aesg-me/assets/img/location-riyadh.webp	105KB	105KB
https://aesg.com/wp-content/uploads/2020/07/Bahrain-thermal-header-1.jpg	100KB	100KB
https://aesg.com/wp-content/uploads/2020/07/Sus-pav-preview-550x550.jpg	99KB	99KB
https://aesg.com/wp-content/uploads/2021/06/the-triangle.jpg	88.0KB	88.0KB
https://aesg.com/wp-content/themes/aesg-me/assets/img/menu-side-accent.png	65.6KB	65.6KB
https://aesg.com/wp-content/themes/aesg-me/assets/img/youtube-keyvisual.jpg	40.4KB	40.4KB
https://aesg.com/wp-content/themes/aesg-me/assets/img/AESG_Website_Side-Banner_Persepctives.jpg	20.6KB	20.6KB
https://aesg.com/wp-content/themes/aesg-me/assets/img/linkedin-keyvisual.jpg	10.6KB	10.6KB
https://aesg.com/wp-content/themes/aesg-me/assets/img/aesg-footer-logo.png	2.74KB	2.74KB
https://pbs.twimg.com/profile_images/1037211146175082496/G8f5NOrl_normal.jpg	2.06KB	2.06KB
https://pbs.twimg.com/profile_images/1182303262151757824/XEE_MKFC_normal.jpg	2.06KB	2.06KB

Low

Efficiently encode images

Potential savings of 2.32MB

Optimized images load faster and consume less cellular data.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://aesg.com/wp-content/uploads/2024/01/Home_Banner.jpg	1.39MB	931KB
https://aesg.com/wp-content/uploads/2023/12/Home_Banner.jpg	1.36MB	854KB
https://aesg.com/wp-content/uploads/2024/03/Home-Banner-1.jpg	809KB	515KB
https://aesg.com/wp-content/themes/aesg-me/assets/img/bg-counter-blue.jpg	101KB	77.3KB

Low

Reduce unused JavaScript LCP

Potential savings of 606KB

Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://s3-us-west-2.amazonaws.com/s.cdpn.io/3/jquery.inputmask.bundle.js	173KB	156KB
https://www.gstatic.com/recaptcha/releases/QquE1_MNjnFHgZF4HPsEcf_2/recaptcha_en.js	195KB	99KB
https://aesg.com/wp-content/themes/aesg-me/assets/js/intlinput/intlTelInput.js	87.6KB	65.6KB
https://aesg.com/wp-includes/js/jquery/jquery.min.js	85.8KB	62.1KB
https://aesg.com/wp-content/plugins/easy-twitter-feeds/public/js/widget.js	91.5KB	50.6KB
https://aesg.com/wp-content/themes/aesg-me/slick/slick.js	82.7KB	45.3KB
https://www.googletagmanager.com/gtag/js?id=G-DKY6KBQE6K	90.9KB	40.9KB
https://aesg.com/wp-content/themes/aesg-me/assets/framework/js/bootstrap.min.js	36.5KB	30.0KB
https://aesg.com/wp-content/themes/aesg-me/assets/framework/js/jquery-3.1.0.min.js	84.7KB	29.0KB
https://aesg.com/wp-content/themes/aesg-me/assets/js/jquery.selectric.js	34.9KB	27.4KB

Low **Serve images in next-gen formats** Potential savings of 3.81MB

Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which means faster downloads and less data consumption.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://aesg.com/wp-content/uploads/2024/01/Home_Banner.jpg	1.39MB	1.14MB
https://aesg.com/wp-content/uploads/2023/12/Home_Banner.jpg	1.36MB	1.09MB
https://aesg.com/wp-content/uploads/2024/03/Home-Banner-1.jpg	809KB	679KB
https://aesg.com/wp-content/uploads/2020/07/tower-london.jpg	251KB	102KB
https://aesg.com/wp-content/uploads/2021/06/banner-dubai.jpg	363KB	95.4KB
https://aesg.com/wp-content/uploads/2021/06/banner-digital.jpg	535KB	92.5KB
https://aesg.com/wp-content/themes/aesg-me/assets/img/bg-counter-blue.jpg	101KB	91.9KB
https://aesg.com/wp-content/themes/aesg-me/assets/img/home-about-featured.jpg	171KB	64.7KB
https://aesg.com/wp-content/uploads/2024/03/Home_Banner-1.jpg	267KB	64.3KB
https://aesg.com/wp-content/uploads/2020/07/riyadh.jpg	130KB	63.6KB
https://aesg.com/wp-content/themes/aesg-me/assets/img/menu-side-accent.png	65.6KB	59.8KB
https://aesg.com/wp-content/uploads/2021/06/banner-windmill.jpg	217KB	54.0KB
https://aesg.com/wp-content/uploads/2020/07/Bahrain-thermal-header-1.jpg	100KB	46.8KB
https://aesg.com/wp-content/uploads/2020/07/Sus-pav-preview-550x550.jpg	99KB	42.6KB
https://aesg.com/wp-content/uploads/2021/06/project-east-village.jpg	196KB	32.1KB
https://aesg.com/wp-content/uploads/2021/06/the-triangle.jpg	88.0KB	31.5KB
https://aesg.com/wp-content/uploads/2021/02/AESG_Website_Projects_Masdar.jpg	152KB	26.1KB
https://aesg.com/wp-content/themes/aesg-me/assets/img/home-expertise-singapore2.jpg	96.8KB	19.3KB
https://aesg.com/wp-content/themes/aesg-me/assets/img/youtube-keyvisual.jpg	40.4KB	17.3KB
https://aesg.com/wp-content/uploads/2021/06/home-expertise-dubai.jpg	49.4KB	13.4KB
https://aesg.com/wp-content/themes/aesg-me/assets/img/AESG_Website_Side-Banner_Persepctives.jpg	20.6KB	13.1KB
https://aesg.com/wp-content/themes/aesg-me/assets/img/AESG_Website_Side-Banner_748x1260.jpg	18.7KB	12.0KB

Low **Ensure text remains visible during webfont load** FCP LCP 6 fonts found

Leverage the `font-display` CSS feature to ensure text is user-visible while webfonts are loading.

URL	POTENTIAL SAVINGS
https://aesg.com/wp-content/themes/aesg-me/assets/fonts/ubuntu/Ubuntu-Regular.woff2	11ms
https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/fonts/fontawesome-webfont.woff2?v=4.7.0	70ms
https://aesg.com/wp-content/themes/aesg-me/assets/fonts/ubuntu/Ubuntu-Bold.woff2	23ms
https://aesg.com/wp-content/themes/aesg-me/assets/fonts/ubuntu/Ubuntu-Light.woff2	24ms
https://aesg.com/wp-content/themes/aesg-me/assets/fonts/elegant_font/HTML_CSS/fonts/ElegantIcons.woff	21ms
https://aesg.com/wp-content/themes/aesg-me/assets/fonts/ubuntu/Ubuntu-Medium.woff2	26ms

Low **Properly size images** Potential savings of 31.9KB

Serve images that are appropriately-sized to save cellular data and improve load time.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://aesg.com/wp-content/themes/aesg-me/assets/img/youtube-keyvisual.jpg	40.4KB	25.3KB
https://aesg.com/wp-content/themes/aesg-me/assets/img/linkedin-keyvisual.jpg	10.6KB	6.63KB

Low **Reduce unused CSS** FCP LCP Potential savings of 442KB

Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://aesg.com/wp-content/themes/aesg-me/style.css	132KB	113KB
https://aesg.com/wp-content/themes/aesg-me/assets/framework/css/bootstrap.min.css	119KB	112KB
https://aesg.com/wp-includes/css/dist/block-library/style.min.css	102KB	102KB
https://aesg.com/wp-content/plugins/layout-grid/style.css	57.9KB	57.9KB
https://aesg.com/wp-content/themes/aesg-me/assets/css/intlTelInput.css	25.0KB	25.0KB
https://aesg.com/wp-content/themes/aesg-me/assets/fonts/elegant_font/HTML_CSS/style.css	25.0KB	17.8KB
https://aesg.com/wp-content/plugins/custom-twitter-feeds/css/cf-styles.min.css	17.3KB	14.8KB

Low **Minify CSS** FCP LCP Potential savings of 15.9KB

Minifying CSS files can reduce network payload sizes.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://aesg.com/wp-content/plugins/layout-grid/style.css	57.9KB	7.26KB
https://aesg.com/wp-content/themes/aesg-me/assets/css/intlTelInput.css	25.0KB	5.52KB
https://aesg.com/wp-content/themes/aesg-me/assets/fonts/elegant_font/HTML_CSS/style.css	25.0KB	3.08KB

Low **Avoid non-composited animations** CLS 3 animated elements found

Animations which are not composited can be janky and increase CLS.

ELEMENT

NAME

Leading the Digital Revolution

```
<div class="img_overlay" style="background: url(&quot;https://aesg.com/wp-content/uploads/2021/06/banner-digital...&quot;);" role="img" aria-label="Leading the Digital Revolution">
```

Unsupported CSS Property: visibility

visibility

Providing solutions for a more sustainable world

```
<div class="img_overlay" style="background: url(&quot;https://aesg.com/wp-content/uploads/2021/06/banner-windmil...&quot;);" role="img" aria-label="Providing solutions for a more sustainable world">
```

Unsupported CSS Property: visibility

visibility

Specialist Consultancy of Choice

```
<div class="img_overlay" style="background: url(&quot;https://aesg.com/wp-content/uploads/2021/06/banner-dubai.j...&quot;);" role="img" aria-label="Specialist Consultancy of Choice">
```

Unsupported CSS Property: visibility

visibility

Low **Minify JavaScript** FCP LCP Potential savings of 155KB

Minifying JavaScript files can reduce payload sizes and script parse time.

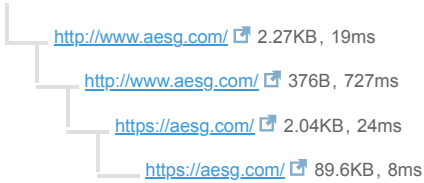
URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://s3-us-west-2.amazonaws.com/s.cdn.io/3/jquery.inputmask.bundle.js	173KB	60.2KB
https://aesg.com/wp-content/themes/aesg-me/assets/js/intlinput/intlTellInput.js	87.6KB	46.7KB
https://aesg.com/wp-content/themes/aesg-me/slick/slick.js	82.7KB	33.0KB
https://aesg.com/wp-content/themes/aesg-me/assets/js/jquery.selectric.js	34.9KB	14.9KB

Low **Avoid chaining critical requests** FCP LCP 1 chain found

The Critical Request Chains below show you what resources are loaded with a high priority. Consider reducing the length of chains, reducing the download size of resources, or deferring the download of unnecessary resources to improve page load.

Maximum critical path latency: **871ms**

INITIAL NAVIGATION



N/A **Largest Contentful Paint element** LCP 600 ms

This is the largest contentful element painted within the viewport.

ELEMENT

li.slick-slide > div.bg > div.overlay > div.acc_ent

```
<div class="acc_ent" style="background: url(&quot;https://aesg.com/wp-content/themes/aesg-me/assets/img/hom...&quot;);" >
```

PHASE	% OF LCP	TIMING
TTFB	-6%	-38ms
Load Delay	45%	273ms
Load Time	5%	29ms
Render Delay	56%	340ms

N/A **Reduce initial server response time** FCP LCP Root document took 1ms

Keep the server response time for the main document short because all other requests depend on it.

URL	TIME SPENT
• https://aesg.com/	1ms

N/A **Avoid serving legacy JavaScript to modern browsers** TBT Potential savings of 26.3KB

Polyfills and transforms enable legacy browsers to use new JavaScript features. However, many aren't necessary for modern browsers. For your bundled JavaScript, adopt a modern script deployment strategy using module/nomodule feature detection to reduce the amount of code shipped to modern browsers, while retaining support for legacy browsers.

URL	POTENTIAL SAVINGS
https://s3-us-west-2.amazonaws.com/s.cdn.io/3/jquery.inputmask.bundle.js Line:687 Column:71	25.9KB
https://aesg.com/wp-includes/js/dist/vendor/wp-polyfill-inert.min.js Line:0 Column:452	174B
https://aesg.com/wp-content/themes/aesg-me/assets/js/intlinput/intlTelInput.js Line:41 Column:37	169B

N/A **Avoid large layout shifts** CLS 1 element found

These DOM elements contribute most to the CLS of the page.

ELEMENT	CLS CONTRIBUTION
Our Company Expertise Projects Perspectives Careers Contact Us <ul class="nav navbar-nav navbar-nav navbar-right">	0.00

N/A **Minimize main-thread work** TBT

Nothing to do here, good job!

N/A **User Timing marks and measures**

No user timings and/or marks found.

Nothing to do here, good job!
