Performance Report for:

https://hydrogenenergysupplychain.com/

Report generated: Mon, Jan 3, 2022 5:38 PM -0800

Test Server Location: 🇦🇺 Sydney, Australia

Using: 🔴 Chrome (Desktop) 90.0.4430.212, Lighthouse 8.3.0

E	Performance **50%**	Structure **78%**		L. Contentful Paint **3.2s**	T. Blocking Time **162ms**	C. Layout Shift **0.34**

Top Issues

| IMPACT	AUDIT	
High	**Reduce initial server response time**	Root document took 2.1s
Med	**Serve static assets with an efficient cache policy**	Potential savings of 2.30MB
Med	**Avoid large layout shifts**	5 elements found
Med-Low	**Use a Content Delivery Network (CDN)**	27 resources found
Med-Low	**Avoid enormous network payloads**	Total size was 3.18MB

Page Details

6.7s
Fully Loaded Time

Total Page Size - 3.18MB

IMG 1.79MB	JS 960KB			

Total Page Requests - 55

JS 41.8%	CSS 20.0%	IMG 18.2%			
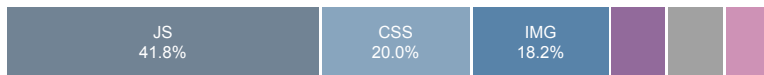
🟪 HTML 🟦 JS 🔵 CSS 🟦 IMG ⬛ Video 🟪 Font ⬜ Other

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.**
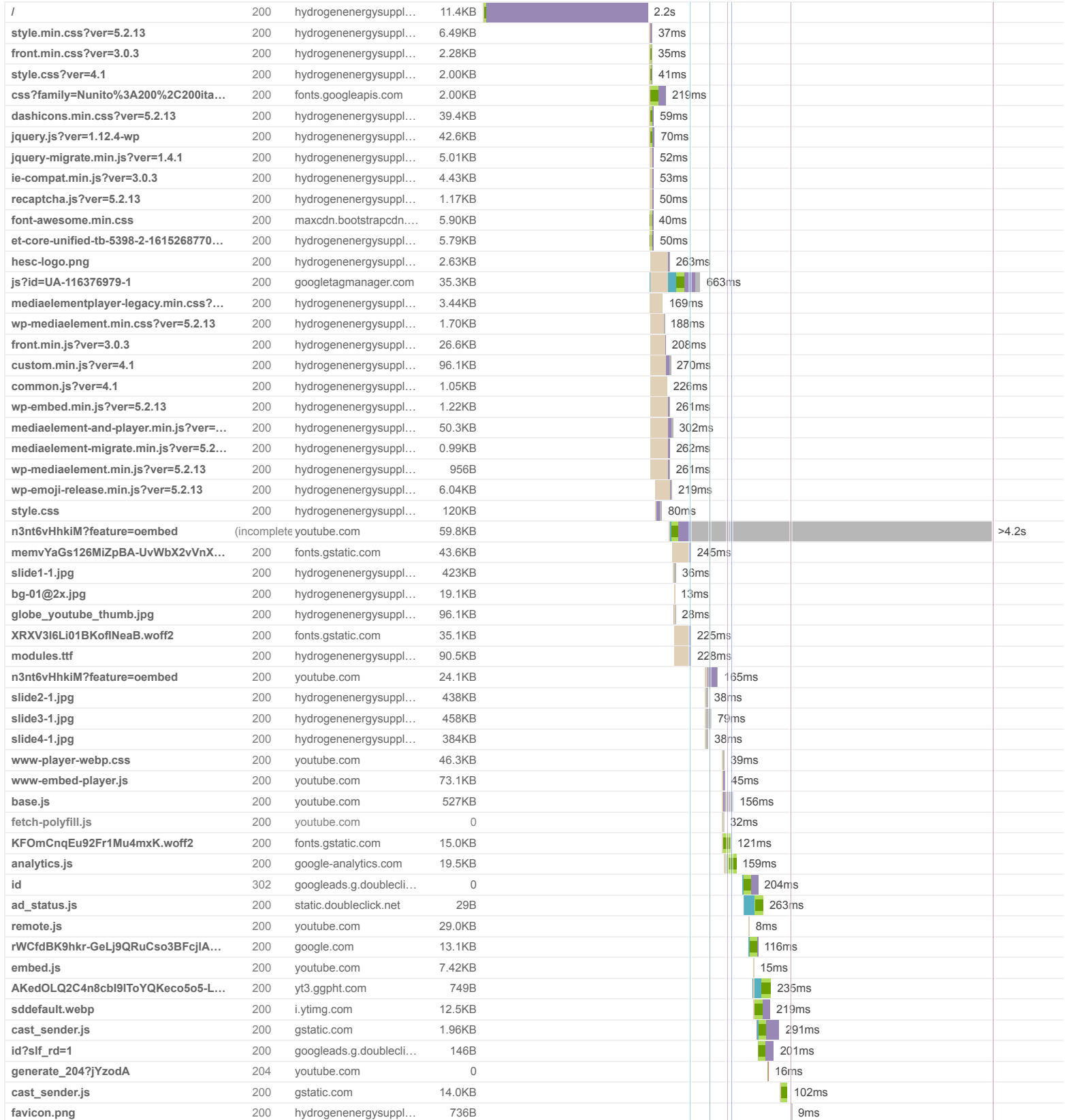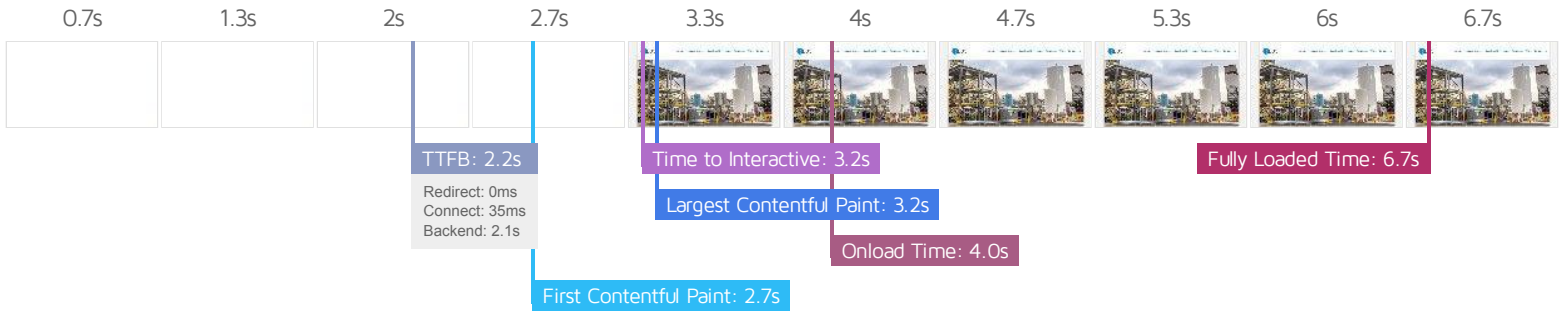
About GTmetrix

CARBON60
THE MANAGED CLOUD COMPANY

GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 26 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.

Hydrogen Energy Supply Chain | Making a global hyd...supply chain between Australia and Japan a reality

/	200	hydrogenenergysuppl...	11.4KB		2.2s
style.min.css?ver=5.2.13	200	hydrogenenergysuppl...	6.49KB		37ms
front.min.css?ver=3.0.3	200	hydrogenenergysuppl...	2.28KB		35ms
style.css?ver=4.1	200	hydrogenenergysuppl...	2.00KB		41ms
css?family=Nunito%3A200%2C200ita...	200	fonts.googleapis.com	2.00KB		219ms
dashicons.min.css?ver=5.2.13	200	hydrogenenergysuppl...	39.4KB		59ms
jquery.js?ver=1.12.4-wp	200	hydrogenenergysuppl...	42.6KB		70ms
jquery-migrate.min.js?ver=1.4.1	200	hydrogenenergysuppl...	5.01KB		52ms
ie-compat.min.js?ver=3.0.3	200	hydrogenenergysuppl...	4.43KB		53ms
recaptcha.js?ver=5.2.13	200	hydrogenenergysuppl...	1.17KB		50ms
font-awesome.min.css	200	maxcdn.bootstrapcdn...	5.90KB		40ms
et-core-unified-tb-5398-2-1615268770...	200	hydrogenenergysuppl...	5.79KB		50ms
hesc-logo.png	200	hydrogenenergysuppl...	2.63KB		263ms
js?id=UA-116376979-1	200	googletagmanager.com	35.3KB		663ms
mediaelementplayer-legacy.min.css?...	200	hydrogenenergysuppl...	3.44KB		169ms
wp-mediaelement.min.css?ver=5.2.13	200	hydrogenenergysuppl...	1.70KB		188ms
front.min.js?ver=3.0.3	200	hydrogenenergysuppl...	26.6KB		208ms
custom.min.js?ver=4.1	200	hydrogenenergysuppl...	96.1KB		270ms
common.js?ver=4.1	200	hydrogenenergysuppl...	1.05KB		226ms
wp-embed.min.js?ver=5.2.13	200	hydrogenenergysuppl...	1.22KB		261ms
mediaelement-and-player.min.js?ver=...	200	hydrogenenergysuppl...	50.3KB		302ms
mediaelement-migrate.min.js?ver=5.2...	200	hydrogenenergysuppl...	0.99KB		262ms
wp-mediaelement.min.js?ver=5.2.13	200	hydrogenenergysuppl...	956B		261ms
wp-emoji-release.min.js?ver=5.2.13	200	hydrogenenergysuppl...	6.04KB		219ms
style.css	200	hydrogenenergysuppl...	120KB		80ms
n3nt6vHhkiM?feature=oembed	(incomplete)	youtube.com	59.8KB		>4.2s
memvYaGs126MiZpBA-UvWbX2vVnX...	200	fonts.gstatic.com	43.6KB		245ms
slide1-1.jpg	200	hydrogenenergysuppl...	423KB		36ms
bg-01@2x.jpg	200	hydrogenenergysuppl...	19.1KB		13ms
globe_youtube_thumb.jpg	200	hydrogenenergysuppl...	96.1KB		28ms
XRXV3I6Li01BKofINeaB.woff2	200	fonts.gstatic.com	35.1KB		225ms
modules.ttf	200	hydrogenenergysuppl...	90.5KB		228ms
n3nt6vHhkiM?feature=oembed	200	youtube.com	24.1KB		165ms
slide2-1.jpg	200	hydrogenenergysuppl...	438KB		38ms
slide3-1.jpg	200	hydrogenenergysuppl...	458KB		79ms
slide4-1.jpg	200	hydrogenenergysuppl...	384KB		38ms
www-player-webp.css	200	youtube.com	46.3KB		39ms
www-embed-player.js	200	youtube.com	73.1KB		45ms
base.js	200	youtube.com	527KB		156ms
fetch-polyfill.js	200	youtube.com	0		32ms
KFOmCnqEu92Fr1Mu4mxK.woff2	200	fonts.gstatic.com	15.0KB		121ms
analytics.js	200	google-analytics.com	19.5KB		159ms
id	302	googleads.g.doublecli...	0		204ms
ad_status.js	200	static.doubleclick.net	29B		263ms
remote.js	200	youtube.com	29.0KB		8ms
rWCfdBK9hkr-GeLj9QRuCso3BFcjIA...	200	google.com	13.1KB		116ms
embed.js	200	youtube.com	7.42KB		15ms
AKedOLQ2C4n8cbl9IToYQKeco5o5-L...	200	yt3.ggpht.com	749B		235ms
sddefault.webp	200	i.ytimg.com	12.5KB		219ms
cast_sender.js	200	gstatic.com	1.96KB		291ms
id?slf_rd=1	200	googleads.g.doublecli...	146B		201ms
generate_204?jYzodA	204	youtube.com	0		16ms
cast_sender.js	200	gstatic.com	14.0KB		102ms
favicon.png	200	hydrogenenergysuppl...	736B		9ms

| POST log_event?alt=json&key=AlzaS... | 200 | youtube.com | 50B | | 117ms |

55 Requests　　**3.23MB (6.38MB Uncompressed)**　　**6.7s (Onload 4s)**

0.7s	1.3s	2s	2.7s	3.3s	4s	4.7s	5.3s	6s	6.7s

TTFB: 2.2s

Redirect: 0ms
Connect: 35ms
Backend: 2.1s

Time to Interactive: 3.2s

Largest Contentful Paint: 3.2s

Onload Time: 4.0s

Fully Loaded Time: 6.7s

First Contentful Paint: 2.7s

Performance Metrics

First Contentful Paint	Much longer than recommended
How quickly content like text or images are painted onto your page. A good user experience is 0.9s or less.	**2.7s**

Time to Interactive	OK, but consider improvement
How long it takes for your page to become fully interactive. A good user experience is 2.5s or less.	**3.2s**

Speed Index	Much longer than recommended
How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.	**3.0s**

Total Blocking Time	OK, but consider improvement
How much time is blocked by scripts during your page loading process. A good user experience is 150ms or less.	**162ms**

Largest Contentful Paint	Much longer than recommended
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.	**3.2s**

Cumulative Layout Shift	Much more than recommended
How much your page's layout shifts as it loads. A good user experience is a score of 0.1 or less.	**0.34**

Browser Timings

Redirect	0ms	Connect	35ms	Backend	2.1s
TTFB	2.2s	First Paint	2.7s	DOM Int.	2.8s
DOM Loaded	3.0s	Onload	4.0s	Fully Loaded	6.7s

IMPACT	AUDIT	
High	Reduce initial server response time	Root document took 2.1s
Med	Serve static assets with an efficient cache policy	Potential savings of 2.30MB
Med	Avoid large layout shifts	5 elements found
Med-Low	Use a Content Delivery Network (CDN)	27 resources found
Med-Low	Avoid enormous network payloads	Total size was 3.18MB
Med-Low	Eliminate render-blocking resources	Potential savings of 202ms
Med-Low	Lazy load third-party resources with facades	1 facade alternative available
Med-Low	Avoid CSS @import	1 resource found
Low	Defer offscreen images	Potential savings of 1.23MB
Low	Avoid chaining critical requests	20 chains found
Low	Avoid long main-thread tasks	5 long tasks found
Low	Use HTTP/2 for all resources	Potential savings of 240ms
Low	Efficiently encode images	Potential savings of 89.0KB
Low	Reduce unused CSS	Potential savings of 160KB
Low	Serve images in next-gen formats	Potential savings of 935KB
Low	Reduce unused JavaScript	Potential savings of 130KB
Low	Avoid an excessive DOM size	220 elements
Low	Ensure text remains visible during webfont load	3 fonts found
Low	Reduce JavaScript execution time	357ms spent executing JavaScript
Low	Avoid serving legacy JavaScript to modern browsers	Potential savings of 18.6KB
Low	Avoid non-composited animations	1 animated element found
N/A	Largest Contentful Paint element	1 element found
N/A	Minimize main-thread work	Main-thread busy for 1.1s

N/A	**Reduce the impact of third-party code**	Third-party code blocked the main thread for 4ms
N/A	**User Timing marks and measures**	