

Change 5 â Hero Starfield Restoration

Summary:

- Reintroduced the cosmic overlay (starfield, nebula, and fast shooting stars) atop the hero while keeping the video background.
- Added styling and animations for the restored visuals, tuned to the current brand palette.
- Extended JavaScript to seed stars responsively and respect reduced-motion preferences alongside existing navigation logic.

Updated Code:

```
=== horizonheightswebsite.html (hero section) ===
```

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Horizon Heights Productions | Elevate Your Visuals</title>
  <meta name="description" content="Horizon Heights Productions captures real estate drone media, photography, and social media content for businesses and individuals.">
  <link rel="canonical" href="https://www.yourdomain.com/">
  <link rel="icon" href="assets/images/logo.png" type="image/png">

  <meta property="og:type" content="website">
  <meta property="og:site_name" content="Horizon Heights Productions">
  <meta property="og:title" content="Horizon Heights Productions â Elevate Your Visuals">
  <meta property="og:description" content="Real estate drone media for residential listings and large land in the Midwest.">
  <meta property="og:url" content="https://www.yourdomain.com/">
  <meta property="og:image" content="https://www.yourdomain.com/static/og-hero.jpg">

  <meta name="twitter:card" content="summary_large_image">
  <meta name="twitter:title" content="Horizon Heights Productions â Elevate Your Visuals">
  <meta name="twitter:description" content="MLS ready photos and cinematic drone video in Marietta, Ohio.">
  <meta name="twitter:image" content="https://www.yourdomain.com/static/og-hero.jpg">

  <script type="application/ld+json">{
    "@context": "https://schema.org",
    "@type": "LocalBusiness",
    "name": "Horizon Heights Productions",
    "url": "https://www.yourdomain.com/",
    "image": "https://www.yourdomain.com/static/og-hero.jpg",
    "slogan": "Elevate Your Visuals",
    "description": "Real estate drone videography and photography for residential homes and large land in Marietta, Ohio.",
    "address": { "@type": "PostalAddress", "addressLocality": "Marietta", "addressRegion": "OH", "addressCountry": "US" },
    "areaServed": "Mid-Ohio Valley",
    "telephone": "+1-304-543-3081"
  }</script>
  <script type="application/ld+json">{
    "@context": "https://schema.org",
    "@type": "ItemList",
    "itemListElement": [
      { "@type": "SiteNavigationElement", "name": "Home", "url": "https://www.yourdomain.com/" },
      { "@type": "SiteNavigationElement", "name": "Services", "url": "https://www.yourdomain.com/services/" },
      { "@type": "SiteNavigationElement", "name": "Gallery", "url": "https://www.yourdomain.com/gallery/" },
      { "@type": "SiteNavigationElement", "name": "About", "url": "https://www.yourdomain.com/about/" },
      { "@type": "SiteNavigationElement", "name": "Contact", "url": "https://www.yourdomain.com/contact/" },
      { "@type": "SiteNavigationElement", "name": "Book Now", "url": "https://www.yourdomain.com/book/" }
    ]
  }</script>

  <link rel="stylesheet" href="assets/css/styles.css">
</head>
```

```
<body id="home">
  <header class="hh-header" role="banner">
    <div class="hh-wrap">
      <a class="hh-logo" href="#home" aria-label="Horizon Heights Productions home">
        
      </a>
      <button class="hh-burger" aria-controls="hh-menu" aria-expanded="false" aria-label="Toggle navigation">
        <span></span><span></span><span></span></button>
      <nav class="hh-nav" aria-label="Primary navigation">
        <ul id="hh-menu" class="hh-menu">
          <li><a class="hh-link" href="#home">Home</a></li>
          <li class="hh-has-sub">
            <a class="hh-link" href="#services">Services</a>
            <ul class="hh-sub">
              <li><a href="#residential">Residential Real Estate Media</a></li>
              <li><a href="#large-land">Large Land Media</a></li>
              <li><a href="#social">Social Media Packages</a></li>
              <li><a href="#pricing">Travel & Delivery</a></li>
            </ul>
          </li>
          <li class="hh-has-sub">
            <a class="hh-link" href="#gallery">Gallery</a>
            <ul class="hh-sub">
              <li><a href="#residential">Real Estate Gallery</a></li>
              <li><a href="#large-land">Aerial Landscapes</a></li>
              <li><a href="#social">Events & Community</a></li>
            </ul>
          </li>
          <li><a class="hh-link" href="#about">About</a></li>
          <li><a class="hh-link" href="#booking">Contact</a></li>
          <li><a class="hh-cta" href="#booking">Book Now</a></li>
        </ul>
      </nav>
      <canvas id="hh-constellation" aria-hidden="true"></canvas>
    </div>
  </header>

  <section class="hh-hero" aria-label="Hero">
    <video class="hh-hero-video" autoplay muted loop playsinline poster="assets/images/hero-poster.jpg">
      <source src="assets/video/hero-loop.mp4" type="video/mp4">
    </video>
    <div class="hh-cosmic" aria-hidden="true">
      <div class="hh-starfield"></div>
      <div class="hh-shooting-stars"></div>
      <div class="hh-nebula"></div>
    </div>
    <div class="hh-hero-overlay">
      <h1>Horizon Heights Productions</h1>
      <p class="hh-slogan">Elevate Your Visuals</p>
      <p class="hh-hero-sub">Real estate drone media in Marietta, Ohio and the Mid-Ohio Valley. MLS ready photos,</p>
      <div class="hh-hero-ctas">
        <a class="hh-cta" href="#booking">Book Now</a>
        <a class="hh-ghost" href="#pricing">See Pricing</a>
      </div>
    </div>
  </section>
```

```

<main id="content">
  <section id="services" class="hh-section">
    <div class="hh-container">
      <h2>Real Estate Media for Residential Homes and Large Land</h2>
      <p>We serve residential properties under 30 acres and large land above 30 acres. Horizon Heights capture
    </div>
    </section>

  <section id="residential" class="hh-section">
    <div class="hh-container">
      <h3>Residential Real Estate &mdash; Under 30 Acres</h3>
      <div class="hh-grid">
        <article class="hh-card">
          <h4>Interior and Exterior Photos</h4>
          <p class="hh-price">$275</p>
          <ul class="hh-list">
            <li>25 to 35 edited and color graded photos</li>
            <li>Window pulls and MLS-ready delivery</li>
            <li>Sized for MLS and social platforms</li>
          </ul>
          <a class="hh-btn" href="#booking">Book Photos</a>
        </article>
        <article class="hh-card">
          <h4>Cinematic Video</h4>
          <p class="hh-price">$475 each</p>
          <ul class="hh-list">
            <li>Choose interior or exterior coverage</li>
            <li>Professional edit and color grade</li>
            <li>Licensed music with clean overlays</li>
          </ul>
          <a class="hh-btn" href="#booking">Book Video</a>
        </article>
        <article class="hh-card hh-featured">
          <div class="hh-badge">Best Value</div>
          <h4>Residential Bundle</h4>
          <p class="hh-price">$675</p>
          <ul class="hh-list">
            <li>Interior and exterior photos</li>
            <li>One cinematic drone video with inside/outside coverage</li>
            <li>One boundary photo included (additional $10 each)</li>
          </ul>
          <p class="hh-note">Optional voiceover add-on: $99 per video</p>
          <a class="hh-btn" href="#booking">Book Bundle</a>
        </article>
        <article class="hh-card">
          <h4>Social Media Reel</h4>
          <p class="hh-price">$175</p>
          <ul class="hh-list">
            <li>Vertical 60-second edit optimized for social</li>
            <li>Caption-ready delivery</li>
            <li>Optional voiceover add-on: $99</li>
          </ul>
          <a class="hh-btn" href="#booking">Book Reel</a>
        </article>
      </div>
      <div class="hh-fineprint">
        <p>Residential turnaround targeted within 48 hours for photos. Video delivery typically follows with
      </div>

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```
</div>
</section>

<section id="large-land" class="hh-section">
  <div class="hh-container">
    <h3>Large Land &mdash; 30 Acres or More</h3>
    <div class="hh-grid">
      <article class="hh-card">
        <h4>Large Land Package</h4>
        <p class="hh-price">$200 per parcel + $10 per acre</p>
        <ul class="hh-list">
          <li>Cinematic drone video included</li>
          <li>Voiceover, boundary photos, and exterior coverage</li>
          <li>No cap on total photo count</li>
        </ul>
        <p class="hh-note">Add a residential package if you need the on-site home highlighted.</p>
        <a class="hh-btn" href="#booking">Book Large Land</a>
      </article>
    </div>
    <div class="hh-fineprint">
      <p>Large land turnaround targeted within five business days depending on acreage and parcel count.</p>
    </div>
  </div>
</section>

<section id="pricing" class="hh-section">
  <div class="hh-container">
    <h3>Travel and Delivery</h3>
    <div class="hh-grid">
      <article class="hh-card">
        <h4>Mileage</h4>
        <p class="hh-price">$0.70 per mile</p>
        <p>Calculated at booking based on project location.</p>
      </article>
      <article class="hh-card">
        <h4>Delivery</h4>
        <ul class="hh-list">
          <li>Online gallery with download links</li>
          <li>MLS-ready image sets for residential listings</li>
          <li>Clear file naming for easy upload</li>
        </ul>
      </article>
    </div>
  </div>
</section>

<section id="gallery" class="hh-section">
  <div class="hh-container">
    <h3>Gallery Preview</h3>
    <p>Curated highlights of residential interiors, soaring exterior flyovers, and expansive large land surveys</p>
  </div>
</section>

<section id="social" class="hh-section">
  <div class="hh-container">
    <h3>Social Media Packages &mdash; Monthly</h3>
    <p>All packages include story posts, community engagement in comments, DM support, and monthly analytics</p>
    <div class="hh-grid">
```

```

<article class="hh-card hh-featured">
  <div class="hh-badge">Most Popular</div>
  <h4>Premium</h4>
  <p class="hh-price">$2,800 / month</p>
  <ul class="hh-list">
    <li>YouTube, TikTok, Instagram, and Facebook</li>
    <li>Several posts per week on each platform</li>
    <li>Community engagement and consistent DM replies</li>
    <li>Monthly analytics report</li>
  </ul>
  <a class="hh-btn" href="#booking">Start Premium</a>
</article>
<article class="hh-card">
  <h4>Advanced</h4>
  <p class="hh-price">$1,600 / month</p>
  <ul class="hh-list">
    <li>TikTok, Instagram, and Facebook</li>
    <li>Fewer weekly posts than Premium</li>
    <li>Community engagement support</li>
    <li>Monthly analytics report</li>
  </ul>
  <a class="hh-btn" href="#booking">Start Advanced</a>
</article>
<article class="hh-card">
  <h4>Basic</h4>
  <p class="hh-price">$700 / month</p>
  <ul class="hh-list">
    <li>Facebook and Instagram</li>
    <li>Three to four posts per week total</li>
    <li>Optional reels as paid add-ons</li>
    <li>Monthly analytics report</li>
  </ul>
  <a class="hh-btn" href="#booking">Start Basic</a>
</article>
</div>
</div>
</section>

<section id="about" class="hh-section">
  <div class="hh-container">
    <h3>About Horizon Heights</h3>
    <p>Horizon Heights Productions blends aviation precision with creative storytelling. From flight planning to post production, we handle it all.
    <p>Our motto is simple: elevate your visuals while elevating trust. Every project is scoped with safety in mind.
  </div>
</section>

<section id="consult" class="hh-section">
  <div class="hh-container">
    <h3>Business Commercials and Events</h3>
    <p>Consultation-based pricing. Call <a href="tel:13045433081">304-543-3081</a> to schedule a creative planning session.
  </div>
</section>

<section id="booking" class="hh-section hh-cta-block">
  <div class="hh-container">
    <h3>Ready to Elevate Your Visuals?</h3>
    <p>Book your shoot or request a quote. Horizon Heights serves Marietta, Ohio and the Mid-Ohio Valley.
    <div class="hh-hero-ctas">

```

```

        <a class="hh-cta" href="#booking">Book Now</a>
        <a class="hh-ghost" href="tel:13045433081">Call 304-543-3081</a>
    </div>
</div>
</section>
</main>

<footer class="hh-footer" role="contentinfo">
    <div class="hh-container">
        <p>' ' <span id="year"></span> Horizon Heights Productions. Marietta, Ohio. Elevate Your Visuals.</p>
    </div>
</footer>

<script src="assets/js/main.js"></script>
</body>
</html>

=== assets/css/styles.css (cosmic styles) ===
/* ----- Tokens ----- */
:root{
    --hh-blue-river:#0E355E;
    --hh-blue-sky:#2E6AA8;
    --hh-green-ridge:#2C6A4D;
    --hh-gold-sunset:#CDA548;
    --hh-night:#0A0F1A;
    --hh-fog:#E8EEF5;
    --hh-white:#FFFFFF;

    --hh-text:#EAF2FF;
    --hh-muted:#A9B8CC;

    --hh-radius:14px;
    --hh-shadow:0 10px 25px rgba(0,0,0,.25);
    --hh-fast:160ms;
    --hh-med:320ms;
    --hh-ease:cubic-bezier(.22,.61,.36,1);
}

/* ----- Base ----- */
*{box-sizing:border-box;}
html,body{margin:0;padding:0;background:var(--hh-night);color:var(--hh-text);font-family:system-ui,-apple-system,"Segoe
img{max-width:100%;display:block;}
a{color:var(--hh-fog);text-decoration:none;}
a:hover,a:focus{color:var(--hh-white);}

.hh-container{max-width:1200px;margin:0 auto;padding:0 20px;}
.hh-section{padding:56px 0;}

h1,h2,h3,h4{margin:0 0 12px;line-height:1.2;color:var(--hh-white);}
p{margin:0 0 12px;color:var(--hh-fog);}

/* ----- Header / Nav ----- */
.hh-header{position:sticky;top:0;z-index:1000;color:var(--hh-text);background:linear-gradient(180deg,rgba(10,15,26,.72),
.hh-wrap{max-width:1200px;margin:0 auto;padding:14px 20px;display:flex;align-items:center;gap:18px;position:relative;}
.hh-logo{display:inline-flex;align-items:center;}

.hh-burger{display:none;width:44px;height:44px;border:0;background:transparent;cursor:pointer;}
.hh-burger span{display:block;height:2px;margin:6px 0;background:var(--hh-text);transition:transform var(--hh-fast) var(

```

```

.hh-burger.is-active span:nth-child(1){transform:translateY(8px) rotate(45deg);}
.hh-burger.is-active span:nth-child(2){opacity:0;}
.hh-burger.is-active span:nth-child(3){transform:translateY(-8px) rotate(-45deg);}

.hh-nav{display:flex;align-items:center;margin-left:auto;}
.hh-nav ul{list-style:none;margin:0;padding:0;display:flex;align-items:center;gap:12px;}
.hh-link{color:var(--hh-text);padding:10px 12px;border-radius:10px;position:relative;transition:color var(--hh-fast),tra
.hh-link:hover,.hh-link:focus{color:var(--hh-white);transform:translateY(-1px);text-shadow:0 0 6px rgba(205,165,72,.5);}
.hh-link::after{content:"";position:absolute;left:10%;right:10%;bottom:6px;height:1px;width:0;background:linear-gradient
.hh-link:hover::after,.hh-link:focus::after{width:80%;}

.hh-has-sub{position:relative;}
.hh-has-sub>.hh-sub{position:absolute;top:100%;left:0;min-width:260px;display:none;flex-direction:column;gap:6px;backgro
.hh-has-sub:hover>.hh-sub{display:flex;}
.hh-sub a{color:var(--hh-text);padding:8px 10px;border-radius:8px;transition:background var(--hh-fast),color var(--hh-fa
.hh-sub a:hover,.hh-sub a:focus{background:rgba(205,165,72,.18);color:var(--hh-white);}

.hh-cta{background:var(--hh-gold-sunset);color:var(--hh-night);padding:10px 18px;border-radius:999px;font-weight:700;pos
.hh-cta::before{content:"";position:absolute;inset:-4px;border-radius:inherit;box-shadow:0 0 30px rgba(205,165,72,.3);op
.hh-cta:hover,.hh-cta:focus{transform:translateY(-1px) scale(1.03);box-shadow:0 0 22px rgba(205,165,72,.9);}

@keyframes hh-orbit{to{transform:rotate(360deg);}}

#hh-constellation{position:absolute;inset:0;pointer-events:none;width:100%;height:100%;}

/* ----- Hero ----- */
.hh-hero{position:relative;min-height:68vh;display:grid;place-items:center;overflow:hidden;}
.hh-hero-video{position:absolute;inset:0;width:100%;height:100%;object-fit:cover;filter:brightness(.6);}
.hh-hero-overlay{position:relative;z-index:2;text-align:center;padding:40px 20px;max-width:900px;}
.hh-slogan{font-size:1.4rem;color:var(--hh-fog);}
.hh-hero-sub{margin-top:6px;}
.hh-hero-ctas{display:flex;gap:12px;justify-content:center;margin-top:16px;flex-wrap:wrap;}
.hh-ghost{border:1px solid rgba(255,255,255,.5);padding:10px 18px;border-radius:999px;color:var(--hh-white);}
.hh-ghost:hover,.hh-ghost:focus{background:rgba(255,255,255,.14);}

.hh-cosmic{position:absolute;inset:0;overflow:hidden;pointer-events:none;z-index:1;}
.hh-starfield,.hh-shooting-stars,.hh-nebula{position:absolute;inset:0;}
.hh-starfield span{position:absolute;width:2px;height:2px;border-radius:50%;background:rgba(234,242,255,0.8);opacity:0.3
@keyframes hh-twinkle{0%,100%{opacity:0.1;transform:scale(0.75);}50%{opacity:1;transform:scale(1.6);}}
.hh-shooting-stars span{position:absolute;display:block;width:230px;height:3px;background:linear-gradient(90deg,rgba(205
@keyframes hh-shooting{0%{transform:translate3d(-240%,-180%,0) rotate(10deg);opacity:0;}12%{opacity:1;}60%{opacity:1;}
.hh-nebula{background:radial-gradient(circle at 15% 25%,rgba(46,230,213,0.18),transparent 45%),radial-gradient(circle at
@keyframes hh-nebula-pulse{0%,100%{transform:scale(1);opacity:0.75;}50%{transform:scale(1.1);opacity:1;}}

/* ----- Cards / Grid ----- */
.hh-grid{display:grid;grid-template-columns:repeat(4,1fr);gap:16px;margin-top:18px;}
@media (max-width:1100px){.hh-grid{grid-template-columns:repeat(2,1fr);}}
@media (max-width:640px){.hh-grid{grid-template-columns:1fr;}}

.hh-card{background:linear-gradient(180deg,rgba(255,255,255,.05),rgba(255,255,255,.02));border:1px solid rgba(255,255,25
.hh-card:hover,.hh-card:focus-within{transform:translateY(-3px);box-shadow:0 10px 28px rgba(0,0,0,.28);}
.hh-price{font-size:1.6rem;color:var(--hh-white);font-weight:700;margin:4px 0 10px;}
.hh-list{margin:0;padding-left:20px;color:var(--hh-fog);}
.hh-note{color:var(--hh-muted);font-size:.95rem;margin-top:8px;}
.hh-btn{display:inline-block;margin-top:12px;background:var(--hh-blue-sky);color:#fff;padding:10px 16px;border-radius:10
.hh-btn:hover,.hh-btn:focus{background:var(--hh-green-ridge);transform:translateY(-1px);}

```

```

.hh-featured{border-color:rgba(205,165,72,.35);box-shadow:0 10px 30px rgba(205,165,72,.18);}
.hh-badge{display:inline-block;background:rgba(205,165,72,.2);color:#fff;padding:4px 10px;border-radius:999px;margin-bot

.hh-fineprint p{font-size:.95rem;color:var(--hh-muted);}

/* ----- CTA block ----- */
.hh-cta-block{background:radial-gradient(1200px 600px at 70% -20%,rgba(46,106,168,.25),rgba(10,15,26,.98));text-align:ce
.hh-cta-block h3{font-size:1.8rem;}

/* ----- Footer ----- */
.hh-footer{padding:28px 0;border-top:1px solid rgba(255,255,255,.06);text-align:center;}

/* ----- Mobile menu ----- */
@media (max-width:980px){
  .hh-burger{display:inline-flex;align-items:center;justify-content:center;}
  .hh-nav{position:fixed;inset:0;background:radial-gradient(1200px 600px at 70% -20%,rgba(46,106,168,.25),rgba(10,15,2
  .hh-nav.open{transform:translateY(0);}
  .hh-nav ul{flex-direction:column;gap:10px;padding:30px 24px 24px;}
  .hh-has-sub>.hh-sub{position:static;display:none;background:transparent;box-shadow:none;padding:0;margin-top:6px;}
  .hh-has-sub.open>.hh-sub{display:flex;}
  .hh-sub a{padding:8px 12px;}
}

/* ----- Reduced Motion ----- */
@media (prefers-reduced-motion:reduce){
  *,*::before,*::after{transition:none !important;animation:none !important;}
}

=== assets/js/main.js (cosmic scripting) ===
const header = document.querySelector('.hh-header');
const nav = document.querySelector('.hh-nav');
const burger = document.querySelector('.hh-burger');
const subs = document.querySelectorAll('.hh-has-sub');
const canvas = document.getElementById('hh-constellation');
const yearEl = document.getElementById('year');
const starfield = document.querySelector('.hh-starfield');
const shootingStars = document.querySelector('.hh-shooting-stars');

if (yearEl) {
  yearEl.textContent = new Date().getFullYear();
}

const prefersReducedMotion = window.matchMedia('(prefers-reduced-motion: reduce)').matches;

const onScroll = () => {
  const root = document.documentElement;
  if (window.scrollY > 60) {
    root.classList.add('hh-scrolled');
  } else {
    root.classList.remove('hh-scrolled');
  }
};

onScroll();
window.addEventListener('scroll', onScroll, { passive: true });

if (burger && nav) {
  burger.addEventListener('click', () => {

```



```

    const isOpen = nav.classList.toggle('open');
    burger.setAttribute('aria-expanded', String(isOpen));
    if (isOpen) {
        burger.classList.add('is-active');
    } else {
        burger.classList.remove('is-active');
    }
});
}

subs.forEach(sub => {
    const trigger = sub.querySelector('.hh-link');
    if (!trigger) {
        return;
    }
    trigger.addEventListener('click', event => {
        if (window.innerWidth <= 980) {
            event.preventDefault();
            sub.classList.toggle('open');
        }
    });
});

document.querySelectorAll('a[href^="#"]').forEach(link => {
    link.addEventListener('click', event => {
        const id = link.getAttribute('href');
        if (!id || id === '#') {
            return;
        }
        const target = document.querySelector(id);
        if (!target) {
            return;
        }
        event.preventDefault();
        const behavior = prefersReducedMotion ? 'auto' : 'smooth';
        target.scrollIntoView({ behavior });
        if (!target.hasAttribute('tabindex')) {
            target.setAttribute('tabindex', '-1');
        }
        target.focus({ preventScroll: true });
        if (nav && nav.classList.contains('open') && window.innerWidth <= 980) {
            nav.classList.remove('open');
            burger?.setAttribute('aria-expanded', 'false');
            burger?.classList.remove('is-active');
        }
    });
});

let starResizeTimeout;

const createStars = () => {
    if (!starfield || prefersReducedMotion) {
        return;
    }
    starfield.innerHTML = '';
    const starTotal = window.innerWidth < 768 ? 65 : 140;
    for (let i = 0; i < starTotal; i += 1) {
        const node = document.createElement('span');

```

```

    const size = Math.random() * 1.8 + 0.6;
    node.style.top = `${Math.random() * 100}%`;
    node.style.left = `${Math.random() * 100}%`;
    node.style.width = `${size}px`;
    node.style.height = `${size}px`;
    node.style.animationDelay = `${Math.random() * 6}s`;
    node.style.animationDuration = `${4.5 + Math.random() * 4}s`;
    starfield.appendChild(node);
  }
};

const createShootingStars = () => {
  if (!shootingStars || prefersReducedMotion) {
    return;
  }
  shootingStars.innerHTML = '';
  const count = window.innerWidth < 768 ? 3 : 6;
  for (let i = 0; i < count; i += 1) {
    const span = document.createElement('span');
    const delay = Math.random() * 4;
    span.style.top = `${Math.random() * 55}%`;
    span.style.left = `${Math.random() * 40 - 20}%`;
    span.style.animationDelay = `${delay}s`;
    span.style.animationDuration = `${2 + Math.random() * 1.2}s`;
    shootingStars.appendChild(span);
  }
};

const initCosmic = () => {
  createStars();
  createShootingStars();
};

if (!prefersReducedMotion) {
  initCosmic();
}

window.addEventListener('resize', () => {
  clearTimeout(starResizeTimeout);
  starResizeTimeout = setTimeout(() => {
    initCosmic();
  }, 200);
});

let ctx = null;
if (canvas && canvas.getContext && !prefersReducedMotion) {
  ctx = canvas.getContext('2d', { alpha: true });
}

let rafId;
let hoveredLink = null;

const resizeCanvas = () => {
  if (!canvas || !ctx || !header) {
    return;
  }
  const rect = header.getBoundingClientRect();
  const ratio = window.devicePixelRatio || 1;

```

```

    canvas.width = rect.width * ratio;
    canvas.height = rect.height * ratio;
    canvas.style.width = `${rect.width}px`;
    canvas.style.height = `${rect.height}px`;
    ctx.setTransform(ratio, 0, 0, ratio, 0, 0);
  };

const clearCanvas = () => {
  if (!ctx || !canvas) {
    return;
  }
  ctx.clearRect(0, 0, canvas.width, canvas.height);
};

const drawConstellation = () => {
  if (!ctx || !hoveredLink || !header) {
    return;
  }

  clearCanvas();

  const logo = document.querySelector('.hh-logo');
  if (!logo) {
    return;
  }

  const headerRect = header.getBoundingClientRect();
  const linkRect = hoveredLink.getBoundingClientRect();
  const logoRect = logo.getBoundingClientRect();

  const linkX = linkRect.left + linkRect.width / 2 - headerRect.left;
  const linkY = linkRect.top + linkRect.height / 2 - headerRect.top;
  const logoX = logoRect.left + logoRect.width / 2 - headerRect.left;
  const logoY = logoRect.top + logoRect.height / 2 - headerRect.top;

  const grad = ctx.createLinearGradient(logoX, logoY, linkX, linkY);
  grad.addColorStop(0, 'rgba(46,106,168,0.0)');
  grad.addColorStop(0.25, 'rgba(46,106,168,0.4)');
  grad.addColorStop(0.75, 'rgba(205,165,72,0.6)');
  grad.addColorStop(1, 'rgba(205,165,72,0.0)');

  ctx.lineWidth = 1.5;
  ctx.strokeStyle = grad;
  ctx.beginPath();
  ctx.moveTo(logoX, logoY);
  ctx.lineTo(linkX, linkY);
  ctx.stroke();

  const time = Date.now() / 400;
  const cometX = logoX + (linkX - logoX) * 0.65 + Math.cos(time) * 4;
  const cometY = logoY + (linkY - logoY) * 0.65 + Math.sin(time) * 4;

  ctx.beginPath();
  ctx.arc(cometX, cometY, 2.2, 0, Math.PI * 2);
  ctx.fillStyle = 'rgba(205,165,72,0.9)';
  ctx.fill();

  rafId = requestAnimationFrame(drawConstellation);

```

```
};

const startConstellation = link => {
  if (!ctx || prefersReducedMotion) {
    return;
  }
  hoveredLink = link;
  cancelAnimationFrame(rafId);
  drawConstellation();
};

const stopConstellation = () => {
  hoveredLink = null;
  cancelAnimationFrame(rafId);
  clearCanvas();
};

window.addEventListener('resize', resizeCanvas);
resizeCanvas();

document.querySelectorAll('.hh-link').forEach(link => {
  link.addEventListener('mouseenter', () => startConstellation(link));
  link.addEventListener('mouseleave', stopConstellation);
});

document.addEventListener('visibilitychange', () => {
  if (document.hidden) {
    stopConstellation();
  }
});
```