

Pad Level Solvent Recovery

# Flexible Access to Disruptive Technology

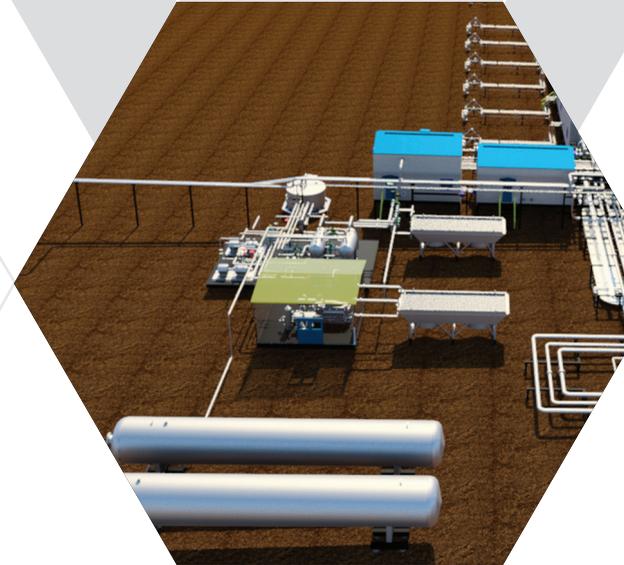
The PadHX-SR provides a fiscally responsible pad scale recovery solution through leveraging the benefits of solvent co-injection.

This design is the first commercially available Pad Level Solvent Recovery System which can be implemented without having to commit to full field recovery facilities – or having to design for a particular operating philosophy from the project's inception.

Our solution has the flexibility to accommodate a large range of process conditions. It can be used for both vaporous and liquid solvents, and is designed to move from pad to pad, to target project-specific well maturities or reservoir characteristics.

Our standardized well pad module designs can be deployed faster, and have proven to make projects more affordable. But our innovative approach doesn't end there—we are now examining all of the technologies we currently employ, and are working towards other forms of standardization. Ultimately, we aim to reap those same benefits of efficiency and cost-savings across all offerings.

With that goal in mind, HIVE Innovations brings this technological vision to the industry, to contribute to our overall goal of producing cleaner energy in Canada.



## Flexibility in Design

Our Pad Level Solvent Recovery system is developed for the full range of design philosophies, process conditions and gas or solvent types: propane, butane, hexane or any readily available diluent or condensate stream.

## Non-Prescriptive Timing

PadHX-SR provides companies with the option of implementing solvent injection and the PadHX-SR facility on any well at any point in the recovery cycle.

## Ready for the Field

With a compact design, this system fits on most typical well pad footprints with flexible layout options to mitigate additional space requirements.

## Affordable Fixed Cost

Contrary to large solvent recovery systems at the Central Processing Facility, PadHX-SR is affordable, and we offer it under our disruptive commercial model – fixed cost, late stage payments and quicker deployment.

## Safety

- Our design philosophy meets the most stringent corporate standards
- Double block and bleed isolation throughout

## Reliability

- Redundant instrumentation and flexibility with isolation
- Minimal full pad outages required for maintenance and tie-ins

# Challenging the Business of Energy



At HIVE Innovations, we pride ourselves on doing things differently. We create and design energy solutions that challenge the status quo. We do so by using a well-established, vertically-integrated approach called The HX System, which enables our clients to maintain fixed costs with late stage payments. Our dynamic, uniquely customizable modular solutions are cohesive, efficient, and reliable—they represent the next step for clients who demand more.

## The HX System

Simply put, we at HIVE Innovations have a different kind of mindset. We don't settle for what works today—our design philosophy asks the question: how can we revolutionize the energy industry for tomorrow's world? To make that vision a reality for our clients, we developed a vertically-integrated model made up of the following stages:

### Engagement

As a fully customer-centric organization, we are flexible to the unique needs of your project. Engage with us in any of the following ways:

#### PRODUCT

We engineer real solutions through proprietary HIVE designs which are modular, scalable, and compatible with your project.

#### EXECUTION

We will take your designs and utilize our vertically-integrated system to execute your project. Take advantage of our exceptional commercial model: fixed price and late stage payments.

#### CONCEPT

The HIVE mentality thrives on challenges—present us with a scope and scale, and we will propose, design, and execute on a customizable solution for your project.

1

### Exhaustive Review

Our engineering review assesses feasibility and uncovers opportunities to utilize pre-fab parts and long-lead inventory.

2

### Fabrication

We take fabrication seriously. The work we do in our Blackfalds facility and partner facilities is exacting and respected, with product modules prefabricated to shorten your project's timelines.

3

### Construction

Our fabrication team is also part of the construction process, which translates into increased efficiencies, no downtime, and expert execution.

4

### Commissioning

Our teams are with you to the end, providing commissioning support services from many of the same members who have been active throughout your project's timeline.

5

## Commercial Model

The HX System is a game-changer. It's a synthesis of innovative design, unparalleled efficiency, and reliable execution. The work we do at our Gemini Fabrication facility in Ponoka is a testament to our focus on quality, safety standards and commitment to cost effective execution. Ours is a disruptive, risk-sharing business model that puts cutting-edge technology first, alongside client-based solutions.

## The Team

HIVE Innovations is made up of innovative designers, engineers, specialists and project managers who share a disruptive mindset: it's time to shift the paradigm and produce real cutting-edge energy solutions. We are multi-disciplined in our approach, and we offer extensive hands-on experience with over 300 well pairs, 30 infill wells, and 30 steam floods—all operating within 10 unique reservoirs in Alberta and Saskatchewan. Together, we provide our clients with forward-thinking engineering, procurement, construction, and fabrication services that challenge conventions and produce better results.

