



The Payblok Token

Payblok is a cryptoasset that incentivizes B2B payments within the InstaSupply platform

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Executive Summary

Small and Mid-sized Businesses (SMB) are heavily affected by the impact of lengthy credit terms upon sale, with traditional financial products failing to cater to them. This leaves SMBs with few options when looking to alleviate cash-flow problems. Having identified this problem, InstaSupply is introducing Payblok, a token aimed at solving SMB cash-flow problems.

The business-to-business (B2B) payments landscape totaled \$18.5 trillion for 2016 in the United States alone, and relies heavily on credit (42-48% in most countries, according to Atradius Collection). Typically, SMBs lack the resources to run best practice administrative tasks focused on payment and collection. Further to this, they are in a **weaker position to negotiate payment terms with their suppliers**. These two factors result in SMBs depending on credit to survive; a dependence that is exacerbated by the fact that **half of all sales on credit failed to be paid on their due date**, creating demand for even more credit. Despite this, **banks have failed to offer any accessible solution** for SMBs.

With this in mind, InstaSupply are looking to further increase their support for SMBs by offering an early payment function on top of their existing platform—which connects buyers and suppliers matching purchase orders, deliveries, and invoices. This will enable provision of de-risked financial products to SMBs.

There are already 2000+ companies using InstaSupply every month, with the volume of transactions exceeding \$60 million per year. The new early payment function will enable hosting of over \$200m of transactions in the first year of deployment.



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1. Company Background

InstaSupply was founded in late 2014 by Lee Pruitt and Tim Huegdon with the vision to simplify all buyer and supplier business interactions online; born out of their prior experiences.

InstaSupply have spent time building and refining a robust workflow that captures, digitizes, and automates all the back-and-forth interactions that proceed payment. Whilst disruption of the problems in business related to ordering, delivering, invoicing, and accounting have been a key focus, managing payments has always been the company end game since inception.

Funded through rounds of investor financing since formation, the company has built a team of deeply experienced professionals who develop the platform, onboard and sustain thousands of businesses, and have processed over \$60 million in transactional value.

2. Market Relevance

SMBs comprise 99% of the enterprises within the Organisation for Economic Co-operation and Development's (OECD) 35 member nations. The OECD's statistical analysis is echoed within the United States, as firms "with fewer than 500 employees" account for 97% of the total U.S. enterprises. Additionally, the World Bank posts similar statistics for emerging markets, citing "Small and Medium Enterprises (SMEs) play a major role in most economies, particularly in developing countries."

Formal SMBs contribute up to 60% of total employment and up to 40% of national income (GDP) in emerging economies. In the United States, small businesses produced 46 percent of the private nonfarm GDP in 2008 (the most recent year for which the source data are available). Additionally, when compared to the larger well-known corporations, small businesses are more likely to be innovators in their industry. In fact, the smallest firms—those with fewer than 25 employees—develop more patents per employee than large corporations. However, despite all their economic and innovative contributions, SMBs face working capital pain that makes them financially vulnerable.

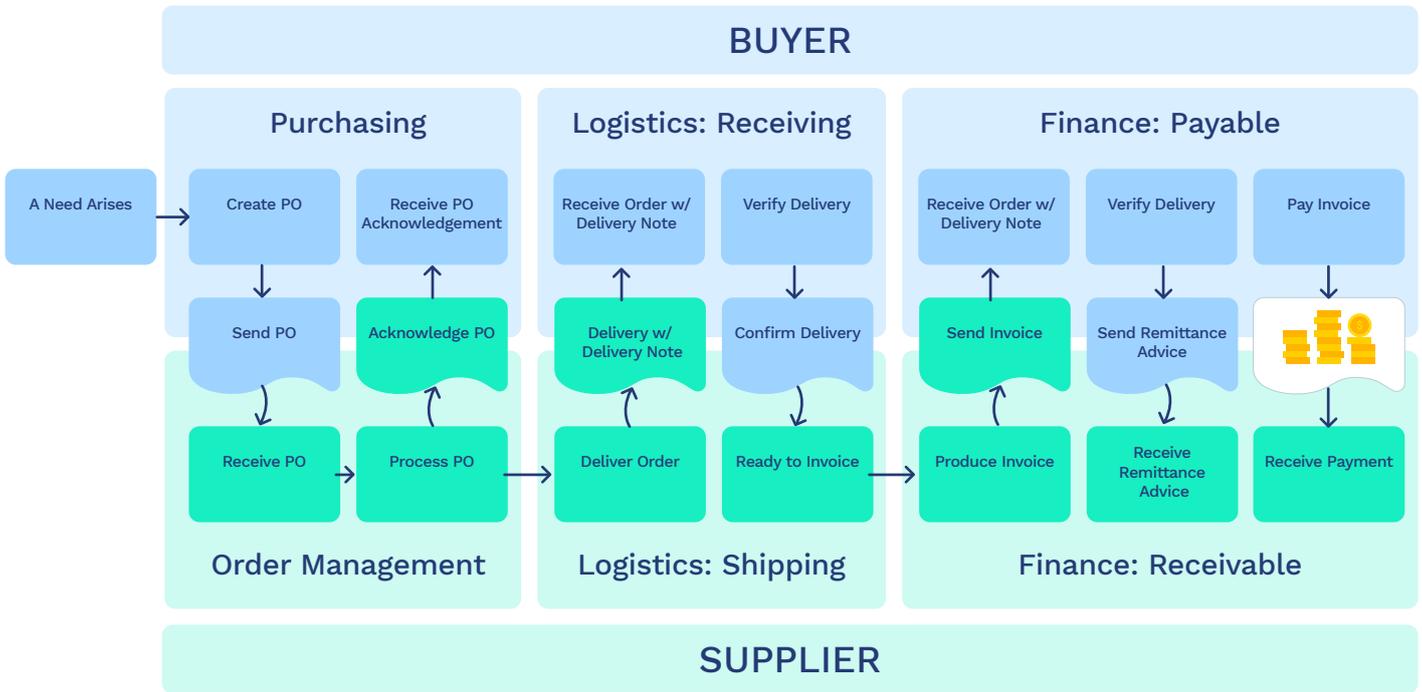
3. SMB Problems

3.1 The Payment Process

Before addressing the pain of payments faced by small businesses, it is important to first understand the business-to-business (B2B) payment process and how that differentiates from other payment processes:



When a consumer pays a business, one entity is the sender and the other the receiver. In B2B payments, businesses constantly manage both the send and receive sides of the equation.



This back-and-forth cycle is commonly referred to as the purchase-to-pay process for a buyer, and the order-to-cash process for the supplier. This process spans days—sometimes months—before it is completed. The efficiency of these processes has a direct effect on a company’s cash position. In general accounting, the symmetry of this interaction is that one company’s payable is always another company’s receivable.

Buyer - Payable	Supplier - Receivable
Recorded as a liability.	Recorded as an asset.
This account should have a credit balance.	The account should have a debit balance.
Credited for the goods/services on the invoice.	Debited for the goods/services on the invoice.
When the business pays the invoice, this account is debited.	When the seller receives payment for this invoice, this account is credited.
Accounts for the amounts that this business owes but has not yet paid.	Accounts for the amounts that this business is owed but has not yet collected.



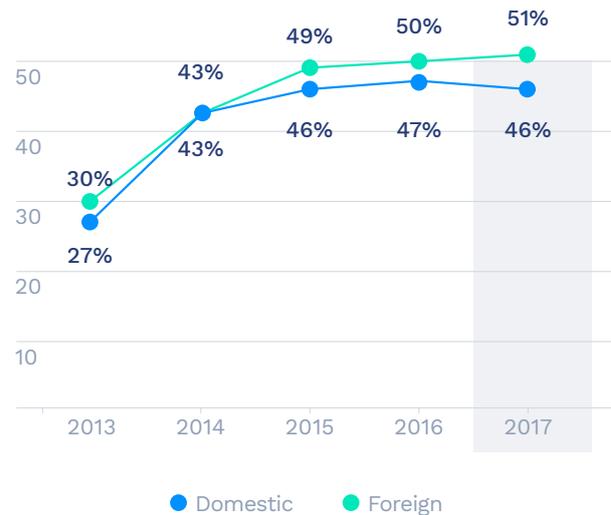
3.2 Late Payment Problem

30% of SMB businesses quote late payment processing times as a major issue, and around 47% of businesses are paid late. Payment delays result from either an intentional delay in payment by customers, elongated processing methods, or both.

The Americas

Atradius reports that, on average in 2017 in the Americas, 48% of all B2B invoices were not paid when they were due. Late payments were the highest in the United States and the lowest in Canada.

Past due B2B receivables in the Americas (avg. %)

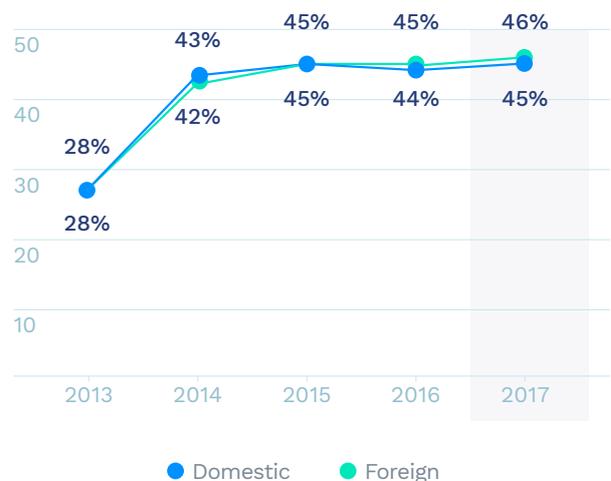


Sample: companies interviewed (active in domestic and foreign markets)
Source: Atradius Payment Practices Barometer - September 2017

Asia Pacific

In 2017 in Asia Pacific, 44.6% of domestic invoices were unpaid at the due date. India was the country most impacted by late payments, where 56.4% of B2B invoices were paid late.

Past due B2B receivables in Asia Pacific (avg. %)



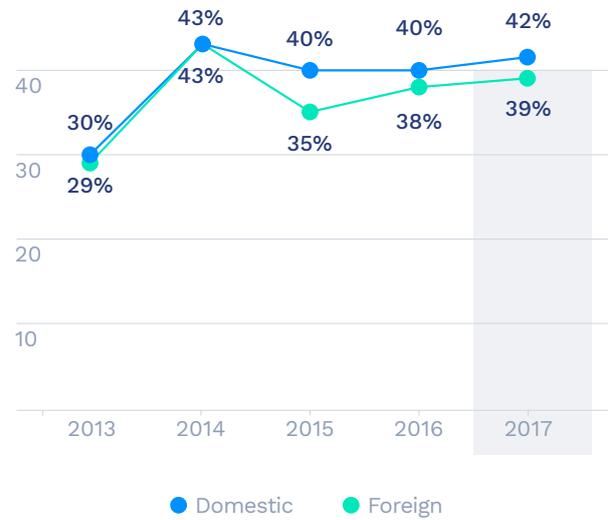
Sample: companies interviewed (active in domestic and foreign markets)
Source: Atradius Payment Practices Barometer - October 2017



Europe

In Western Europe an average of 41.9% of domestic invoices remain unpaid past the due date. The average payment duration in 2017 was 59 days.

Past due B2B receivables in Western Europe (avg. %)



Sample: companies interviewed (active in domestic and foreign markets)
Source: Atradius Payment Practices Barometer - Spring 2017

Not only are late payments a problem, but large banks have severely curtailed their small business lending following the onset of the financial crisis. Post-crisis lending from banks has disproportionately gone to large businesses. Because of this, SMBs are less likely to be able to obtain bank loans than large firms; instead, they rely on internal funds, or cash from friends and family to launch and initially run their enterprises. Approximately half of formal SMBs do not have access to any formal credit at all. The link between bank competition and SMB access to credit has become an urgent policy issue because the structure of the global banking system has been significantly affected by consolidation. Globally, access to finance remains one of the most significant constraints to the growth, productivity, and survival of SMBs and therefore the jobs they create.

The SMB credit gap is a problem on both sides of a B2B transaction: on the demand side, many SMBs cannot get access to credit because bankers cannot see the critical information they require to assess creditworthiness. For most bankers, this results in a lack of financial intelligence and insight to make credit decisions. On the supply side, banks consider SMBs as high-risk and unsuitable to serve at interest rates the banks are able to charge. Small business loans—often defined as business loans below \$1 million—are considerably less profitable than large business loans. Transaction costs to process a \$100,000 loan are comparable to a \$1 million loan, but with less profit. For these two reasons, banks often prefer to lend to larger firms. As a consequence, financial instruments for SMBs continue to operate in thin, illiquid markets, with a low number of market participants.



4. Our Solution

InstaSupply provides a workflow for buyers and suppliers to manage their payments and collections respectively. With over 2,000 businesses currently using the platform, over \$60 million worth of invoices are passed through InstaSupply on an annual basis.

By creating a business network between buyers and suppliers, the platform collects data from both sides. InstaSupply empowers users to create and place purchase orders, track deliveries, and match orders to corresponding invoices; this enables buyers to track, manage, and control their spend.

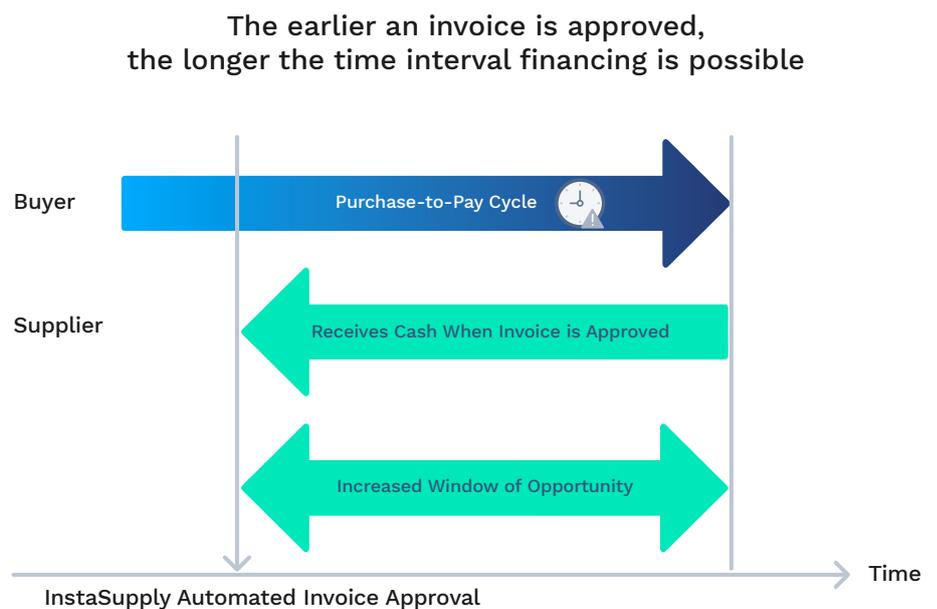
Upon receiving an invoice, customers on the platform are able to review the invoice, and accept or reject it accordingly. Once the invoice has been accepted, invoices are paid outside the InstaSupply platform, with the data being pushed through to the customers accounting software, requiring the customer to manually record on InstaSupply when an invoice has been paid.



The additional steps of moving data between systems creates extra workload for finance departments; increasing the likelihood of human error, creating open space for fraud, and also delaying payments to suppliers.

4.1 Automated Approval and the Window of Opportunity

Automated approval is a vital part of this project because it creates the opportunity to provide financing. Previously, without technology and automation rules, approving invoices was a very manual process. Automation reduces human input by 90%, resulting in suppliers being paid quicker and more accurately.





4.2 Payblok Tokens

Payblok is a crypto-asset (token) that allows its owners/holders the access to exclusive benefits inside the InstaSupply platform and it will be developed under the ERC20 Token Standard.

Ownership of Payblok tokens does not entitle owners to any right in regards to Instasupply as a company, including but not limited to: profits, vote, or employment.

As an asset, the initial sale of tokens will be subject to sales taxes according to each market. Following this, a token belongs to its owner and can be traded without restriction or the need for consent or participation from InstaSupply.

Creation of the PayBlok token enables InstaSupply to offer a range of products that solve the problems faced by SMBs as outlined in section 3 (“SMB Problems”). These products consists mainly of:

- an Integrated Payment Solution
- Supply Chain Financing
- Asset-Based Lending

4.3 The Integrated Payment Solution

The development of payment facilities will benefit both buyers and suppliers, with the complete buying cycle remaining on a single platform; safe from external manual activities such as exports and reconciliations. Developing the payment portal within the platform will ensure that the complete procurement cycle will go through InstaSupply, creating security while also eliminating any risks associated with transferring data between platforms.

We will utilise user-managed “Automation Policies” on our platform so that one of two actions can occur upon the approval of an invoice; if there is a PO and delivery already on the system that matches with the invoice in question, the invoice is considered approved, alternatively, if there is no PO or if there is PO but it does not match with the invoice, then the approval will need to be manually implemented. After this has taken place, the contract would activate a workflow, which will release funds to the supplier who has opted-in to Supply Chain Financing. This is a low-risk solution that enables InstaSupply to offer very competitive rates compared to traditional financial products, as InstaSupply has data on all parties involved in the transaction, enabling InstaSupply to measure risk far more comprehensively.

InstaSupply will provide accounts payable departments the ability to settle an unlimited number of invoices, send remittances and update their accounting books in a single transaction, revolutionising the way accounts payable departments operate, delivering a unique proposition that is applicable to any industry.



The only way a business can access this feature is through holding Payblok Tokens, where a business holding more than:

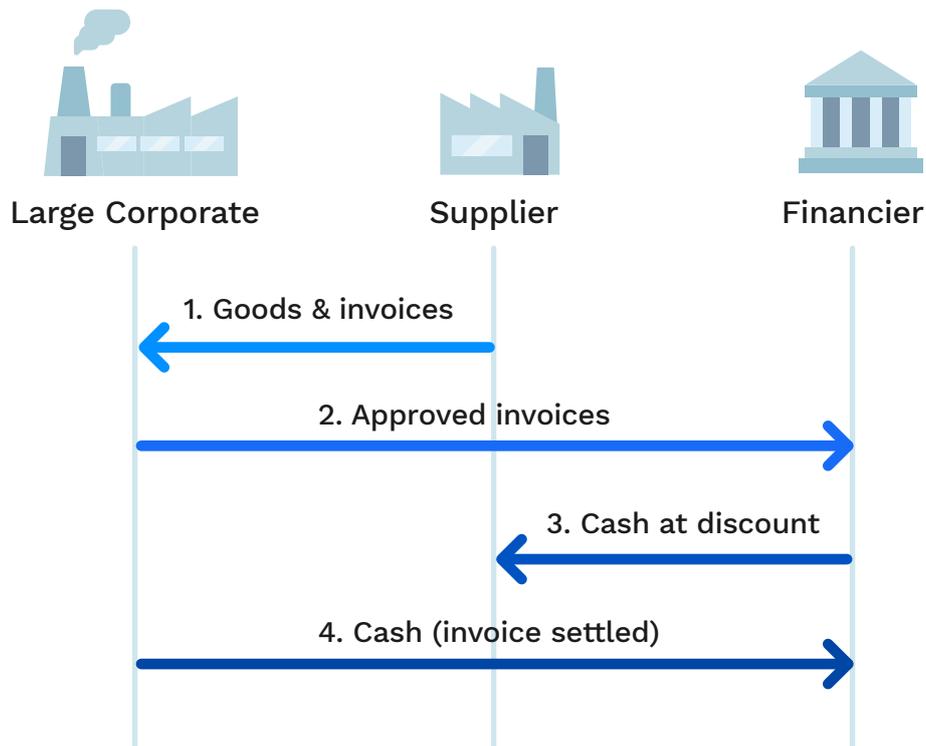
- 0 USD worth in Payblok, can execute up to 1 payment run per month
- 500 USD worth in Payblok, can execute up to 3 payment runs per month
- 1,000 USD worth in Payblok, can execute up to 20 payment runs per month
- 10,000 USD worth in Payblok, can execute up to 50 payment runs per month

A payment run is an operation where an unlimited number of invoices are paid at the same time. During this process, Payblok tokens are not consumed. A customer payment run can also be supplemented using Payblok tokens contained in the customer’s wallet. In this instance, InstaSupply buys these tokens at market price and distributes funds according to the payment run.

4.4 Supply Chain Financing

With the appropriate environment in place, an efficient workflow, automatic invoice approvals, and an integrated payment solution, the offer of Supply Chain Financing becomes viable. Similar financial products have historically ignored the kind of businesses that need it most: SMBs.

The process of providing supply chain financing is simple and bureaucracy-free. With the supplier able to receive funds, net of fees, in less than 24 hours, benefiting from the transparency that Blockchain offers.





This product will be available to all suppliers within InstaSupply. However, by holding Payblok Tokens they will have access to even more interesting discount rates (when holding for more than 30 consecutive days):

- a. 1,000 USD or more, the discount rate applied for early-payments is reduced by 10%
- b. 5,000 USD or more, the discount rate applied for early-payments is reduced by 30%
- c. 10,000 USD or more, the discount rate applied for early-payments is reduced by 50%

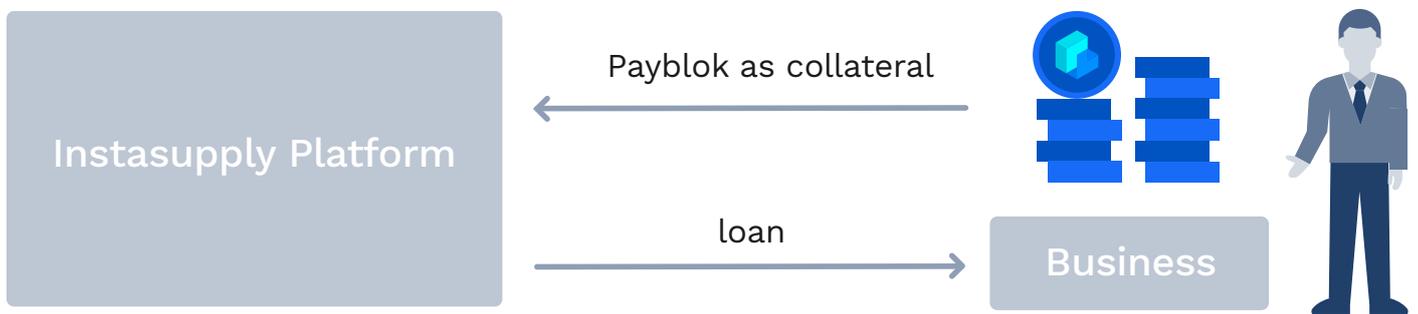
(These values and percentages will be in place when the platform goes live, but are subject to change, according to market conditions.)

For detailed information around the technicalities, refer to section 6 (“Implementation”).

4.5 Asset-Based Lending

This type of lending is based on using Payblok Tokens as guarantee. If a loan is not repaid, the corresponding Payblok collateral will be taken by InstaSupply.

To release funds in this way, the applicant business must have 60% of the required loan value in custody as Payblok tokens to provide guarantee collateral.



The interest rate applied on these transactions can be as low as 1% per month, since the transaction is de-risked using those assets to cover any losses. This saves businesses from having to sell assets during a market fluctuation.

If, at any time, the market value of Payblok tokens held custody drops below the current debit, InstaSupply is entitled to sell the tokens at market price and cover the loan.



4.6 Value Exchange and The Network Growth

The number of end users engaging in the InstaSupply/Payblok platform is vital to the success of Payblok. Consequently, we will be allocating a large proportion of our budget towards customer acquisition, adding to the 2000+ businesses already using the InstaSupply platform.

4.6.1 Sales & Marketing

With a specialist Sales & Marketing team already in place, we will look to build on previous successful campaigns, seeking to grow the network of InstaSupply users via three approaches, reducing the reliance on one strategy. In utilising our three-fold approach, we will increase demand for our services and, consequently, for Payblok tokens.

Our strategy is split into three main approaches:

1. Inbound Marketing

This will consist of heavy search engine platform use, social media targeting, qualified publications coverage, and attendance to industry specific events. All leads generated will be assigned to the sales team, who will convert these leads into InstaSupply users.

2. Partnerships

Having previously secured customer acquisition partnerships, we will look to expand this approach, targeting and collaborating with businesses that can provide us with multiple customers. We have previously proved that our product is attractive for external accountants and financial advisors to formulate partnerships. Consequently, we will target these industries, amongst others.

3. Integrations

We also aim to offer technical integrations with other products, which in turn will bring more users to the platform. These options will be studied in a joint effort between Sales and Product Development to identify the right opportunities that justify the development effort.



4.6.2 The PayBlok Network Incentives

InstaSupply understands that every business already has its own process in place and all changes imply a (direct or indirect) cost. As such, we have developed a rewards system for businesses that engage with Payblok, with users receiving rewards for fully adopting the platform and successfully referring other businesses. This incentive structure shall cover any cost related to the change management in the short term and can become a proper revenue stream in the long term for companies that engage with the network.

Users will receive PayBlok tokens as an Incentive for:

1. Paying invoices using InstaSupply:

The payer receives 0.5% of the total value of the invoice, receiving payment in Payblok to their wallet.

2. Approving/verifying invoices early + Taking an early-pay discount

When an invoice is successfully paid early and the whole transaction is settled before the invoice due date, both Payer and Payee receive Payblok into their wallet corresponding to 0.5% of the original transaction.

3. Referrals to InstaSupply/Payblok as the payment gateway for its transactions

Businesses referring other businesses will receive tokens for 1% of all payments that the new business processes during the first 6 months after the signup. This incentive will accelerate the growth through the Partnerships.

(The percentages proposed for all user rewards are subject to change, according to market conditions.)

4.6.3 Geographic Expansion

In addition to targeting the UK and US markets, in which InstaSupply have previously concentrated, we will also be targeting markets with a large demand for enhanced payment terms, and thus an opportunity for growth and profit.



Targeting worldwide markets, geographic expansion will be driven by the following factors:

- Market Size
- Market Average Interest Rate
- Collection Complexity
- Average B2B Payment Default Rate
- Participation of Credit on overall B2B transactions

In addition to the United Kingdom and United States, the other markets that we are in an advanced stage of analysing are Brazil, Australia, and Mexico. Our target markets can change at any time and the Payblok community will be informed via the available channels.

5. Other Solutions

The following are the 4 most popular credit options that currently aim address SMB short-term cash-flow constraints.

5.1 Factoring

Invoice factoring is a process that is used by companies in order to borrow money on sales invoices that have closed. This process involves working with a finance company to obtain a short-term loan on an invoice. Then when the invoice is paid, the money will be paid back to the finance company. Invoice factoring transactions are typically structured so that a company sells its invoices in two installment payments. The first installment covers about 80% of the value of the approved invoice immediately and the remaining 20% is covered, less the finance fee, once the buyer pays the invoice in full.

A downside to factoring is that only 80% of the funds are released upfront. Additionally, invoices are used as collateral for a short-term loan, making it more difficult to get other types of more conventional loans.

5.2 Bank Loans

Bank loans can help with cash-flow, and help provide emergency cash through short term finance.

They may be either secured or unsecured. With a secured loan, the borrower pledges an asset (such as real-estate property, equipment, stock or vehicles) against the debt. If the debt is not repaid, the lender may claim the secured asset. Unsecured loans do not have collateral, though the lender will have a general claim on the borrower's assets if repayment is not made. As a consequence, secured loans will generally attract a lower rate of interest.



Bank Loans involve heavy bureaucracy, reducing access to SMBs who might not have the personnel to file all required documents. Companies applying for bank loans must be a mature businesses, making it inaccessible to new businesses that don't necessarily have an approved credit line yet.

5.3 Dynamic Discounting

Dynamic discounting refers to a solution in which the buyer makes an early payment to the supplier using their excess cash. The supplier in return reduces the cost for the buyer or provides the goods and services paid for at a discounted price. The word “dynamic” prefixed to the term explains the option given to the supplier to make the goods or services available at a discounted price based on the date the payment is made by the buyer. Thus, the discount given is not a static discount. In most cases, the supplier provides the buyer with a greater discount if payment is made earlier. In other words in dynamic discounting, the earlier the payment is made, the lower the price of the goods and services provided will be.

A downside to dynamic discounting is that it is limited by the ability of a buyer to run their payments which is often limited by internal procedures. This affects both buyers (who cannot benefit from the the discount) and suppliers (who do not receive the funds).

5.4 Marketplaces

Many invoice factoring marketplaces exist today where suppliers can offer up their invoices to financiers in an auction style format. While this model is attractive in having multiple investors compete to fund all or part of an invoice, the model has some challenges for all the parties involved. The first problem is that in some of these platforms the investor has to evaluate the creditworthiness of each individual supplier and buyer in order to price and accept the financing. The second problem is that the financier also must spend a lot of time and energy taking an active part in going through all invoices on the marketplace to be able to compete against other financiers. While some platforms attempt to automate this process, it can often be very time consuming to participate. Most marketplaces also limit themselves to institutional investors and require substantial initial deposits in the tens of thousands just to gain access to the marketplace.

For the supplier the downside of marketplace platforms are the uncertainties around whether the invoice will be financed (if at all), the financing terms, and who the individual or multiple financiers will be in the end.



6. Implementation

As previously outlined, InstaSupply is already a functioning business marketplace for trade. We have been providing invoice management and spend control services to buyers for over three years. This means we are already mature in terms of data ingestion and storage of invoices, credits, and delivery notes, and we have a functioning platform for businesses and their users to engage with that data. We also already have a Payment Run product that provides the ability for buyers to manage the invoices they wish to pay, apply any credit that may have already been issued for a given supplier, and subsequently generate a “payment file” CSV that may be uploaded to their bank to facilitate payments from their accounts.

In order to provide the PayBlok payment gateway, so that buyers can make payments against invoices and suppliers can receive those payments, we will need to undertake the following steps:

1. Upgrade the InstaSupply invoice architecture to adapt how we track document payment state.
2. Upgrade the current InstaSupply Payment Run product to take funds directly from buyers, allowing full payment within the InstaSupply platform.
3. Provide funding dispersal to suppliers, in order to pay/purchase their invoices at specific points in the Payment Run Lifecycle.
4. Create vendor wallets that provide storage of PayBlok tokens for redemption within the InstaSupply platform.
5. Provide integration of PayBlok with Payment Runs in order to allow full or partial payment in PayBlok assets.
6. Provide PayBlok cash-out functionality so that assets can be exchanged for traditional fiat currency.
7. Provide PayBlok purchase functionality so that buyers and suppliers can buy assets within the platform.
8. Provide PayBlok transfer facilities so that buyers and suppliers can transfer assets into and out of the platform with external PayBlok-enabled crypto-asset wallets.



6.1. Payment State

Invoices in the InstaSupply platform are marked as “paid” by applying “settlements” to their total value. This provides users with the ability to track partial coverage of payment through a credit note, or a discount, before final payment is due. When an invoice is included within a payment run, we have already calculated the total amount outstanding for payment to be included. This avoids confusion when then applying further “customer account” type credits to payments for a specific supplier.

Payment settlements are currently applied to an invoice from the point of view of a buyer settling an amount directly with the supplier. However, in order to allow for situations where the supplier may seek early payment (invoice financing), or the buyer may seek more time to allow for payment (supply-chain financing) we will need to annotate settlements as relevant to either the buyer or supplier related to the document. In addition, we will then need to provide an “outstanding value” relevant to each of those parties.

6.2. Payment Run

Currently buyer users are able to create payment runs within the InstaSupply platform using our Payment Run product. In simple terms, a payment run is the creation of a group of invoices to be output as payments within a “payments file” (typically a CSV file to be uploaded to a bank), which can then be marked as paid once payment is complete. This process also provides buyers an opportunity to use credit issued by suppliers against payments to ensure accounts balance.

The screenshot shows the InstaSupply web interface for creating a payment run. The page title is "Payment Run: 2018-04-13 14:33 (new)". There is a "Payment Date" field set to "16 / 04 / 2018" and a "Save" button. Below this is a table with the following columns: Client, Supplier, Invoice No., Due Date, Invoice total, Outstanding, Paying, Total, and Payment Method. The table contains two rows of invoice data and a total row.

Client	Supplier	Invoice No.	Due Date	Invoice total	Outstanding	Paying	Total	Payment Method	
InstaSupply (Instasupply)								£1,218.51	
InstaSupply (Instasupply)			2018-04-14	£768.51	£768.51	£ 768.51	£768.51	Payer: Client No active bank account set for client. Payee: No active bank account set for supplier.	
InstaSupply (Instasupply)			2018-03-23	£450.00	£450.00	£ 450.00	£450.00	Payer: Client No active bank account set for client. Payee: No active bank account set for supplier.	
Total							£1,218.51		

At the bottom of the table, there are two buttons: "Change selected invoices" and "Update Invoice Details".





Implementing the PayBlok payment gateway within InstaSupply will not require a great deal of change to the Payment Run product, but we will undertake a significant upgrade of the interface and core functionality to provide instant payment dispersal to suppliers, and to allow partial or full payment of a payment run via PayBlok tokens.

6.3. Payment Dispersal

The PayBlok payment gateway will extend the Payment Run feature by allowing direct dispersal of funds to suppliers on completion of a payment run. This will also automate the marking of invoices as paid, and the generation of remittances for each supplier.

6.3.1. Supply Chain Financing

As soon as we are able to disperse funds to suppliers, we will be in the position to purchase invoice assets on behalf of buyers. As soon as a buyer has validated/approved an invoice for payment, we will purchase that asset from the supplier less the fees outlined in section 4. This will be recorded on the invoice as a settlement with the supplier from InstaSupply. Once the buyer then finally makes payment for the invoice, that payment will be made directly to InstaSupply and again recorded on the invoice as a settlement from the buyer to InstaSupply.

Using this method we will be able to track outstanding settlements on both sides of the transaction. This allows us to:

- a. provide early payment for suppliers that request it without affecting payment terms for buyers, and also
- b. provide longer payment times for buyers without suppliers having to wait for their payment.

6.3.2. Asset-based Lending

Dispersal of funds also enables us to provide asset-based lending to businesses that request it. In this case we will simply disperse funds up to a maximum value based on the stored collateral outlined in section 4. Loans of this type will be tracked as separate entities in our data and will be delivered as a new product within the InstaSupply platform.

6.4. The PayBlok Wallet

Every vendor on the InstaSupply platform will receive a virtual wallet to hold their PayBlok tokens. Any tokens issued within InstaSupply as rewards will automatically be transferred into this wallet.

The PayBlok wallet will be built as a centralized virtual wallet within the InstaSupply application, specific to each business vendor (buyer or supplier). Users will be able to transfer PayBlok into their wallets from external sources using standard blockchain, and will also be able to transfer PayBlok back out again.

Since PayBlok will be implemented as an ERC-20 token, the InstaSupply PayBlok Wallet will also be able to store ETH in order to allow gas payments for transfers on the Ethereum blockchain.

The wallet will also allow temporary storage of fiat currencies gained through cash-out actions, which can then be transferred to a bank account.



6.4.1. Centralized vs decentralized

We have chosen a decentralized implementation for the PayBlok wallet within the InstaSupply application, in order to provide the simplest interface to users. Currently, most of our users do not possess advanced technical knowledge, and we do not intend for this to become a requirement. Enforcing a decentralized architecture would require an understanding of token storage in some form of separate application, browser extension, or hardware wallet. We have agreed that this kind of expectation of technical know-how on our users, at time of writing, would be unfair and a severe disadvantage to the platform as a whole.

However, when dealing with cryptocurrencies and tokens, a decentralized wallet is widely considered an improved experience as it affords the user more control and protection. It is our intention to allow for decentralized wallets later in the project, as more users begin to understand their benefits and how to interact with them.

6.5. Using PayBlok in Payment Runs

Buyers will be able to exchange PayBlok as part payment against Payment Runs in the InstaSupply platform. In simple terms, this will discount the current market value of any PayBlok used from a Payment Run when funds are collected from the buyer's account.

Once a Payment Run is ready for payment, users will be able to specify the amount they wish to pay in PayBlok (based on current PayBlok market value). On payment, this amount of PayBlok will be removed from the buyers' wallets and exchanged for fiat currency (using a link to a secondary external crypto-exchange) in the transfer through InstaSupply to their suppliers.

6.6. Cashing Out PayBlok

Any business with PayBlok in their InstaSupply PayBlok wallet will be able to cash-out the PayBlok to fiat currency. To cash-out PayBlok, InstaSupply will simply connect the vendor to a secondary exchange where the PayBlok tokens will be sold at real-time market value. The corresponding fiat currency from this transaction will be transferred back to the vendor's wallet, minus a small exchange fee.

In order to avoid cash-out situations that may have significant effect on the InstaSupply PayBlok pool, and the overall market value of PayBlok, there will be transactional limits on the amount that may be cashed-out by one business over any given week.

On cashing out PayBlok, a business will receive fiat funds into their wallet which can then be transferred out to a standard bank account.

6.7. Purchasing PayBlok

Any business within the InstaSupply platform may purchase PayBlok at any point, dependant on the pool of PayBlok tokens available within InstaSupply, and/or on connected secondary exchanges.



6.8. External Transfer of PayBlok

Any business within the InstaSupply platform may transfer PayBlok into (and out of) their InstaSupply PayBlok wallet. Transferal of PayBlok from or to external wallets will incur the usual ETH-based gas fees for the Ethereum blockchain.

7. Our Sale

Payblok token supply will fixed at 250,000,000 (two hundred and fifty million) and no further token issuance will happen

7.1 The Distribution

The distribution of tokens will break down as follows:

1. 60% Token Sale (150,000,000)
2. 15% Blocked for future use (37,500,000)
3. 18% Company, Team and Advisors (45,000,000)
4. 5% Incentives | Rewards (12,500,000)
5. 1% Referral Program (2,500,000)
6. 1% Bounty Program (2,500,000)

7.2 Release Schedule

Immediately after the Token Sale, 167,500,000 tokens (67% of total supply) will be put into circulation. Circulating tokens will remain at this same level during the first 6 months, and then gradually increase every month until all tokens are circulating.

The circulating supply will match the total supply exactly 5 years after the token release and no more Payblok tokens will be issued. This strategy aims to balance offer and demand of those tokens during the first years of the project until it is mature.

The lockup and releasing periods are different according to the distribution stake

- Company, Team and Advisors: 6mth lockup + 1yr releasing time
- Blocked for future use: 2yr lockup + 3yr releasing time

7.3 Community Incentives

- Four different programs have been constructed to incentivize community engagement. They are the (1) Bounty Program, (2) the Referral Program, and (3) the Discounting Plan.



8. Leadership

Lee Pruitt (co-founder/CEO) - 12 years commercial experience selling B2B ecommerce and eprocurement solutions. Lee led global B2B eprocurement solutions for Grainger (the world's largest B2B e-retailer) and started Tizaro, the largest online European ecommerce B2B distribution.

Tim Huegdon (co-founder/CIO/CTO) - 17 years development experience leading teams across top tech firms such as Yahoo, Amazon, and Betfair. Tim has experience in a huge number of languages, frameworks, technologies, and methodologies.

Riaz Shah (Director/Chairman) - 25 years as partner at accounting firm EY overseen London audit and global talent. In 2016 Riaz began serving in a part-time capacity at EY, dedicating the balance of his time serving as chairman at InstaSupply among many other directorships.

Michael Davies (Chief Technical Architect) - 19 years development experience having held various positions at IBM, Legal & General, Yahoo, and Amazon.

Jonny Ford (DevOps Engineer) - Jonny has over 10 years experience in server and database management for large global brands such as AKQA and FedEx.

Neil Crosby (Head of Technology) - 11 years software development and managerial experience having held positions at Yahoo, BBC, and Amazon. Notably, Neil is also credited as inventing the @reply format on Twitter.

Marcus Raphael (Head of Business Intelligence) - 8 years managing procurement processes for large companies across several industries including consultancy, mining, and telecommunications.

Martin Coxall (Digital Marketing Director) - Martin has over 10 years experience in digital marketing, amongst companies ranging from E-commerce, to marketing consultancy, and B2B services.

Lee Jordan (Head of User Experience) - 17 years experience as a web developer and user-experience specialist. Lee's previous experience includes having worked at Amazon and Graze.com.



9. Roadmap

- **May, 2018**
 - Begin marketing PayBlok and the subsequent new features within the InstaSupply platform.
- **June, 2018**
 - Begin pre-sale of PayBlok tokens to key individuals and early registrants.
- **July, 2018**
 - Open main sale of PayBlok tokens.
- **Q2, 2018**
 - Begin application for regulation and compliance in order to be a fully regulated global business bank and lender.
 - Begin applications for inclusion of PayBlok on third-party token exchanges.
 - Upgrade InstaSupply architecture to support full payments.
- **H2, 2018**
 - Build out of InstaSupply team to develop, support, market, and sell the extended product.
 - On-going development of new features.
- **Q1, 2019**
 - Deliver integrated payment gateway for receipt and delivery of fiat currency between buyers and suppliers.
 - Deliver PayBlok wallets in the InstaSupply platform.
 - Provide full in-platform payment runs.
- **Q2, 2019**
 - Provide transfer-in of PayBlok tokens to InstaSupply wallets.
 - Start providing PayBlok rewards to buyers and suppliers.
- **Q3, 2019**
 - Provide purchase of PayBlok within the InstaSupply platform.
 - Provide Supply Chain Financing and Asset-based Lending
- **Q4, 2019**
 - Provide transfer-out of PayBlok from InstaSupply wallets.
 - Provide cash-out of PayBlok tokens within InstaSupply.
- **2020 and beyond**
 - Further development of the PayBlok token as a reward within InstaSupply.
 - Delivery of more regulated financial services for businesses.



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Disclaimer

The sole purpose of this Whitepaper is to share information about the proposed establishment and operation of the InstaSupply platform to bring ultimate trust and transparency to the financial markets and the cryptographic blockchain PayBlok tokens (“PBLK Tokens”) for use within the InstaSupply platform. The information set forth below may not be exhaustive and does not imply any elements of a contractual relationship. This Whitepaper does not constitute an offer or invitation to any person to subscribe for or purchase shares, rights or any other securities of InstaSupply or any affiliated entity.

Any agreement in relation to the purchase and sale of PayBlok tokens shall be governed by a separate document setting out the terms and conditions (the “Terms and Conditions”) of such agreement, which shall be made available at <http://www.payblok.io> prior to the sale of any PBLK Tokens. In the event of any inconsistencies between the Terms and Conditions and this Whitepaper, the Terms and Conditions shall prevail.