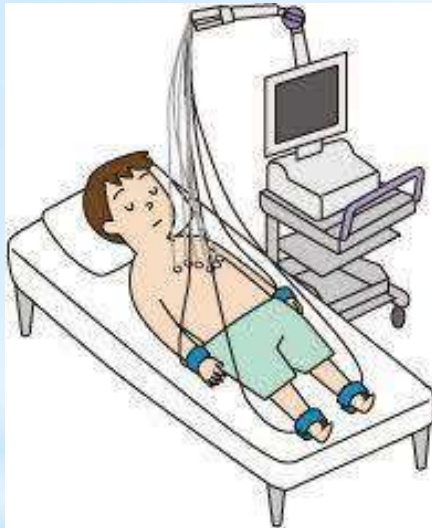


Ngaia[®]
エヌガイア

NAGAOKA Solution Provider

Problem

- Current ElectroCardioGram (ECG) devices require users to lay flat and still.



- Unexpected noise on your ECG, caused by motion, can lead to an incorrect diagnosis.

Doctors need to collect accurate ECG, even while patients are moving:

- Noise-free ECG
- Real-time ECG



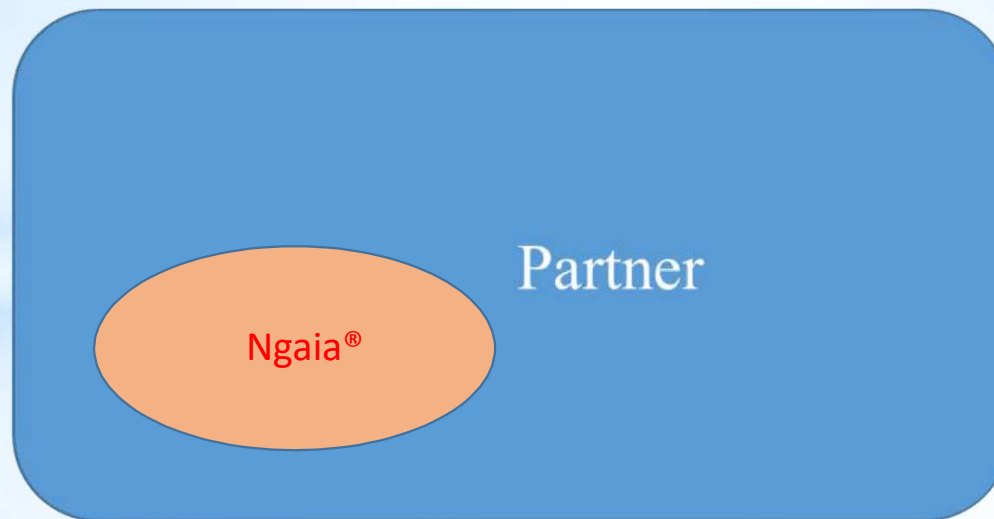
Solution

- Ngaia[®] ECG, our heartrate monitoring system,
 - ① collects noise-free ECG data through our advanced algorithms,
 - ② processes data in real time,
 - ③ transfers data to doctors, and
 - ④ stores large amounts of ECG data.
- Accurate ECG data can be collected even while users move!
- In your own home you can also easily check your heart condition on a regular basis.

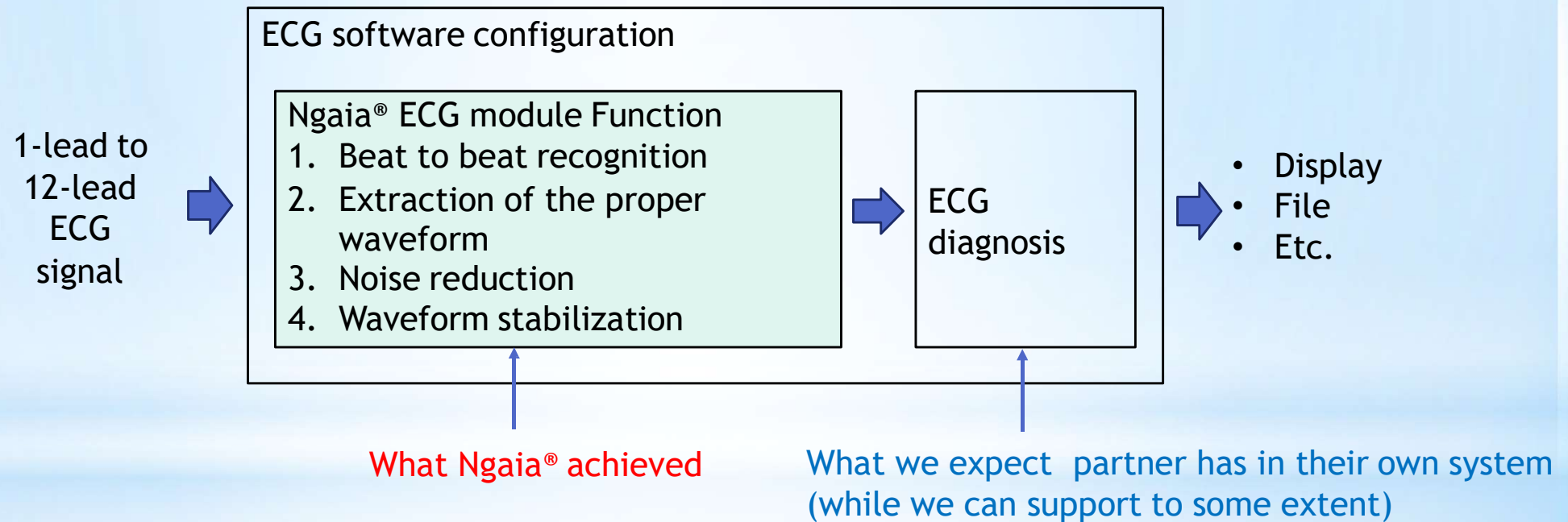


Business Model

- Add Ngaia[®] ECG into your product or system
- Expected partners and/or licensees can find new solution with Ngaia[®]



Ngaia[®] Configurations Image



Competitive Advantage

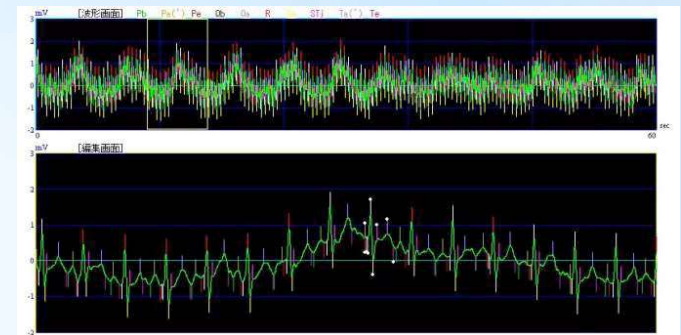
- Ngaia[®] ECG can analyze the wave form of users in motion, such as when users are in a vehicle, in an airplane or when they are running.
- Ngaia[®] ECG also can provide ECG from animals in motion.
- Ngaia[®] ECG can obtain parameters from every single heartbeat

Parameters:

recognized value points : Pb, Pa1, Pa2, Pe, Qb, Qa, R1, Sa1, R2, Sa2, Stj, St1, St2, St3, Ta1, Ta2, Te

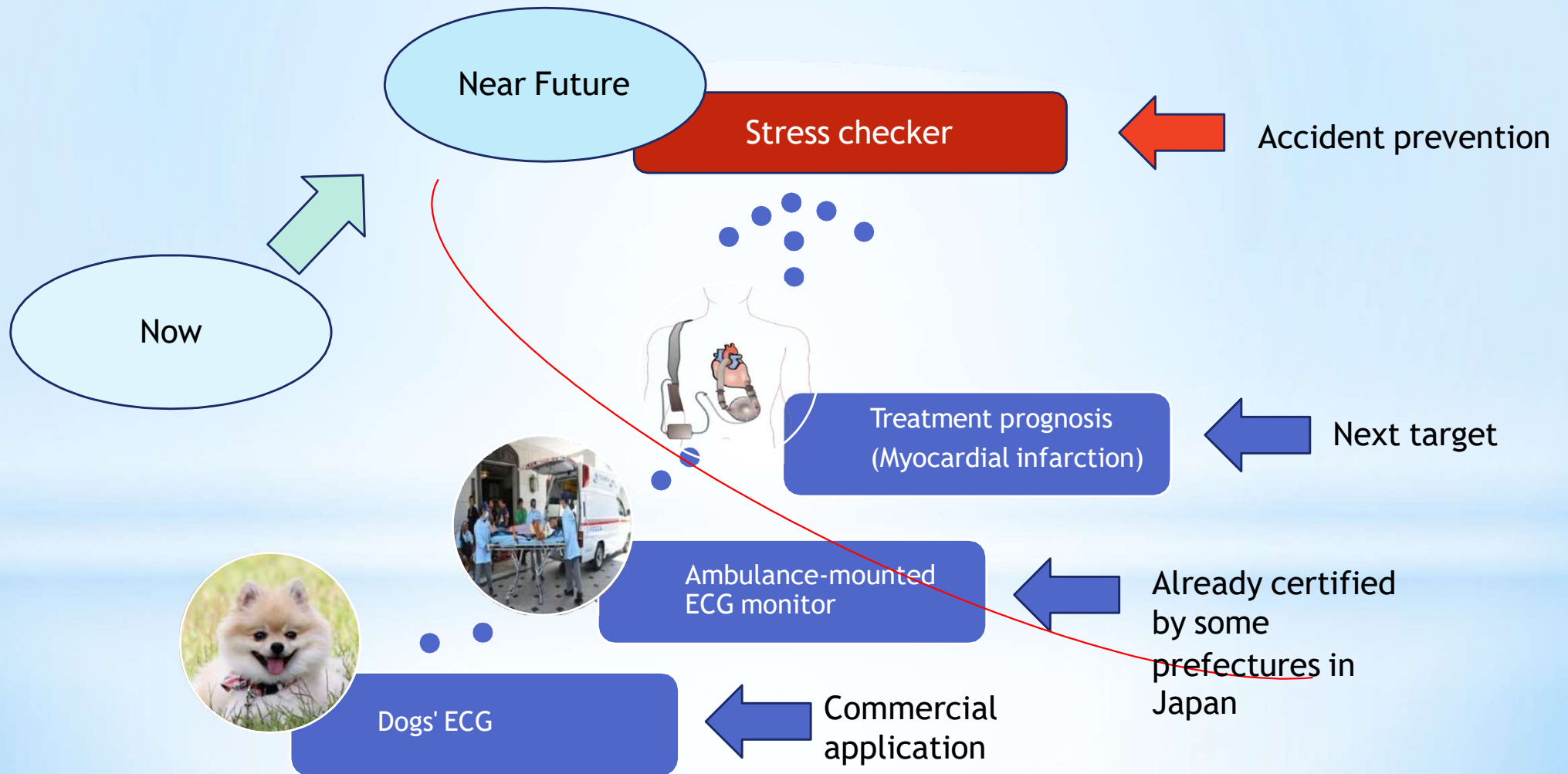
recognized intervals : PP, PR, VAT, RR, QRS, QT, QTc

- Ngaia[®] ECG can diagnose heart failure from every single heartbeat

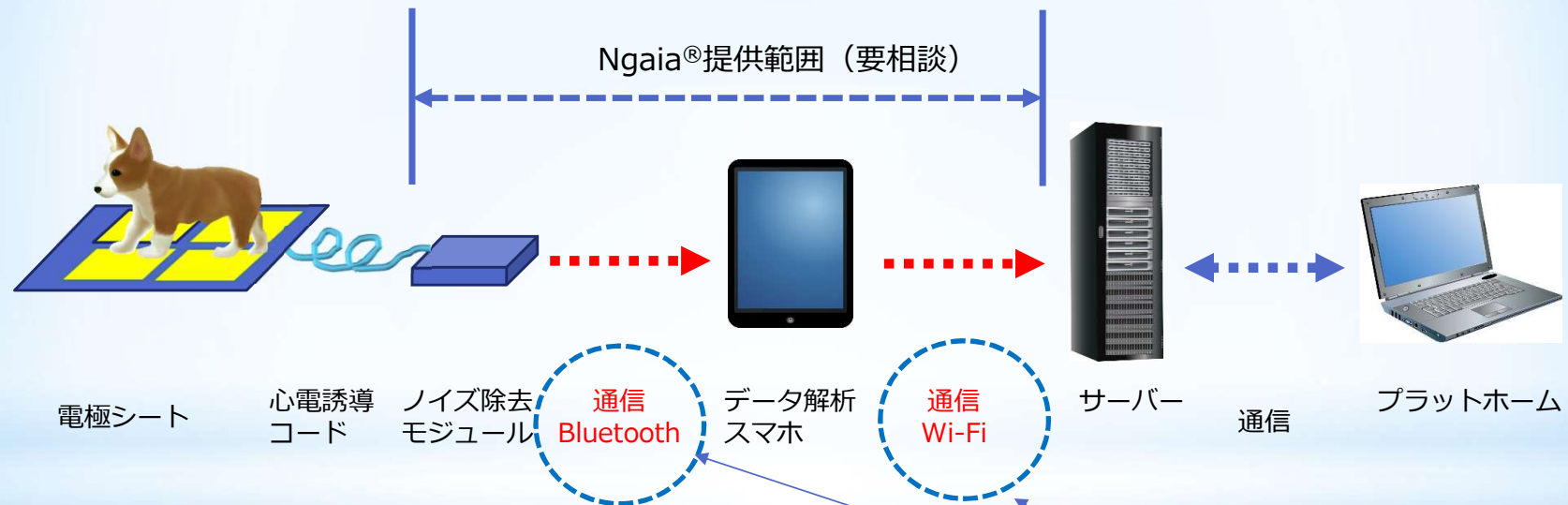


P	115 msec	QRS	59 msec
PR	167 msec	QTc	437 msec
QT	342 msec	VAT	29 msec
RR	612 msec	HR	98 BPM

What Ngaia[®] can do for Future



オンライン心臓チェックシステムモデル例



- ・ノイズ除去回路
- ・ノイズ除去ソフト
- ・データ通信出力ソフト

- ・データ通信入力ソフト
- ・データ解析ソフト
 - 不整脈検出
 - 平均波形パラメータ
 - 平均波形画像
- ・心電計コントロールソフト
 - ログイン
 - 測定開始ボタン
 - 不整脈検知の有無表示
 - 心電測定完了表示
 - 患者属性入力
 - 解析依頼ボタン
- ・データ通信出力ソフト

・システムバージョンアップに対応可能

Ngaia[®] specification

	Ngaia [®] ECG-H (for human application)	Ngaia [®] ECG-A (for animal application)
Measurement item	Electrocardiogram (less than 12 induction)	Electrocardiogram (less than 12 induction)
Recognition parameters	Electrocardiogram PP, PR, VAT, RR, QRS, QT, QTc (time) Pb, Pa1, Pa2, Pe, Qb, Qa, R1, Sa1, R2, Sa2, Stj, St1, St2, St3, Ta1, Ta2, Te (Potential, time)	Electrocardiogram PP, PR, VAT, RR, QRS, QT, QTc (time) Pb, Pa1, Pa2, Pe, Qb, Qa, R1, Sa1, R2, Sa2, Stj, St1, St2, St3, Ta1, Ta2, Te (Potential, time)
Target	Human	Dog
OS	Windows [®] 10	(iOS/Google to be discussed)

Contact

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