

proceq

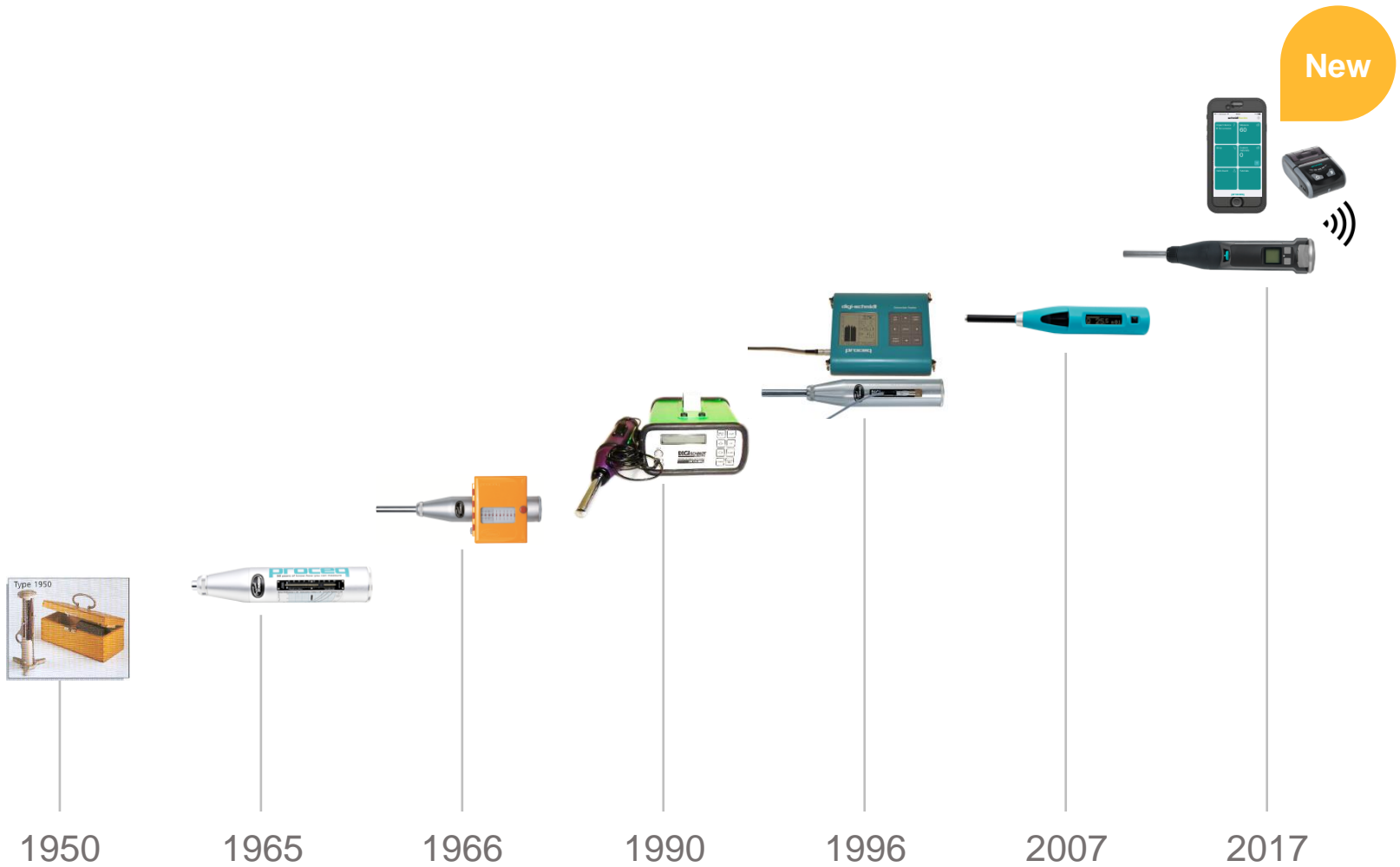
☞ Solutions since 1954



Schmidt®

강도 및 균일성 검사

리바운드 해머(Rebound Hammer)의 발전단계



강도 및 균일성



콘크리트



건설현장 확인



원형 보전성 평가



거푸집 제거



코어 대체

암석



실제 구조물 검사



코어 강도 검사

종이



롤 형상 검사



와인더 정렬검사

| 측정 | | 전환 | 결과 |
|--|---------------|----------|--------------------------------|
| <p>일반 에너지 콘크리트 두께 > 10 cm 낮은 에너지 콘크리트 두께 < 10 cm</p> | | | <p>MPa Strength</p> |
| R | <p>기계 측정 </p> | 기존의 방식 | <p>10 70</p> |
| Q | <p>전자 측정 </p> | 정확한 측정방식 | <p>5 100</p> |



시간소모가 크다



제한이 많다



신뢰성이 불명확하다

Schmidt® 포트폴리오



New

Schmidt OS-120

Original Schmidt

Original Schmidt Live

SilverSchmidt



저 강도 / 모르타르

콘크리트 / 암석 / 종이

R

Q

아날로그

디지털

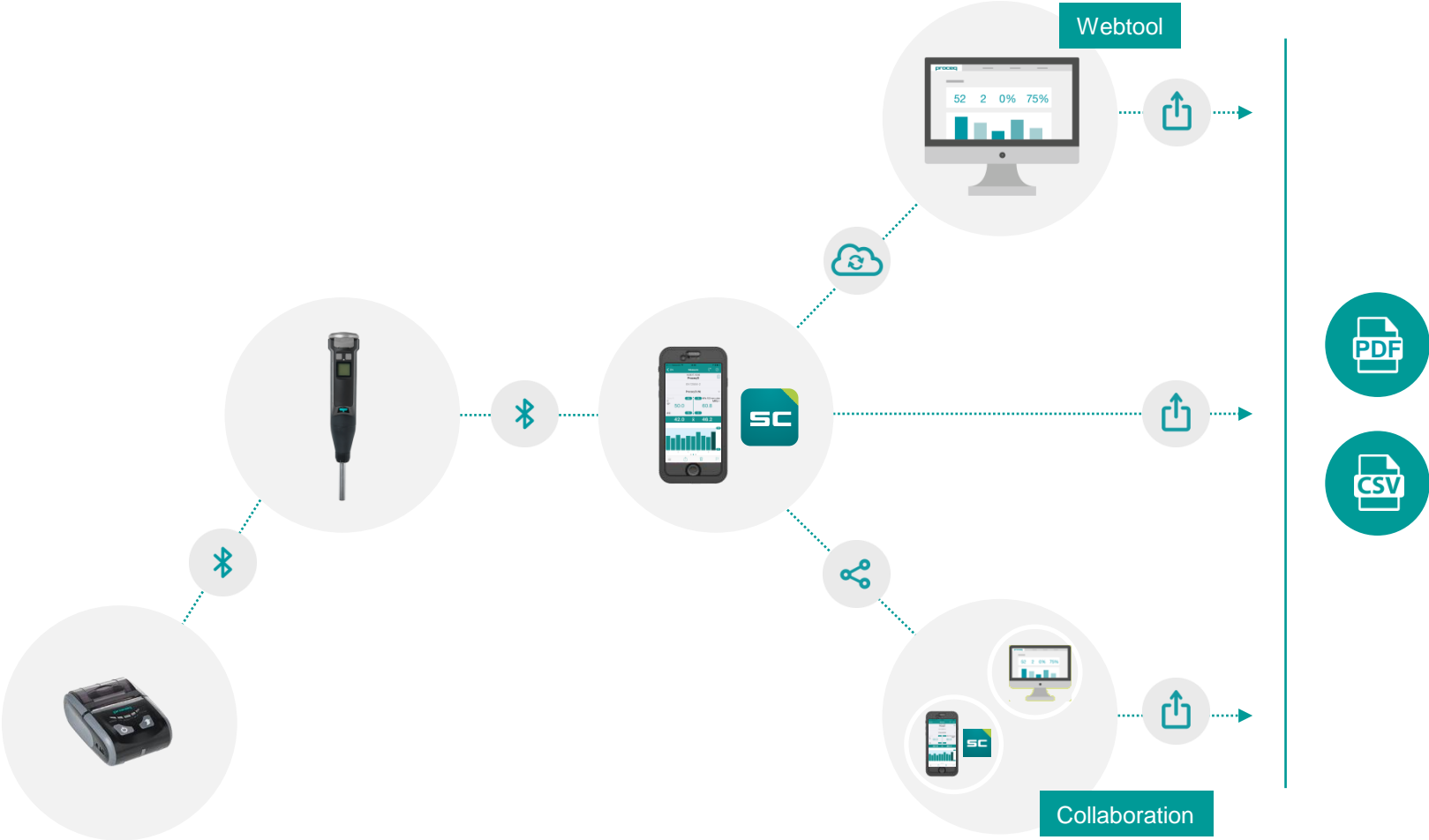
proceq

🇨🇭 Solutions since 1954

Original Schmidt® Live



Schmidt Live 솔루션



스포트라이트: 생산성 증가



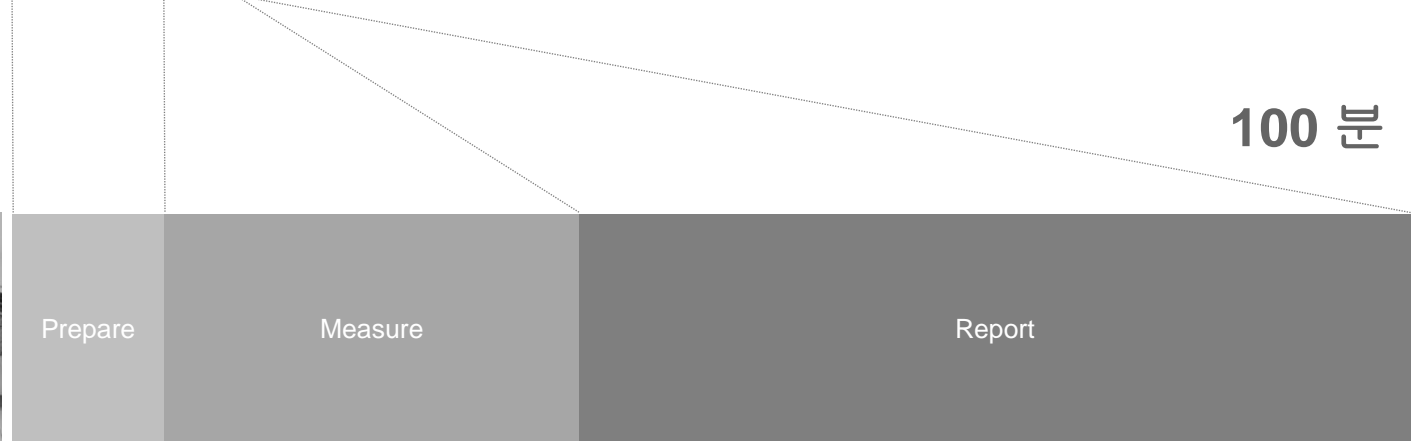
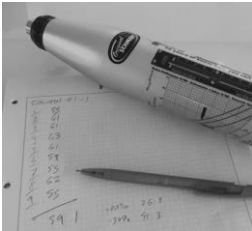
벽 81개 측정

16분

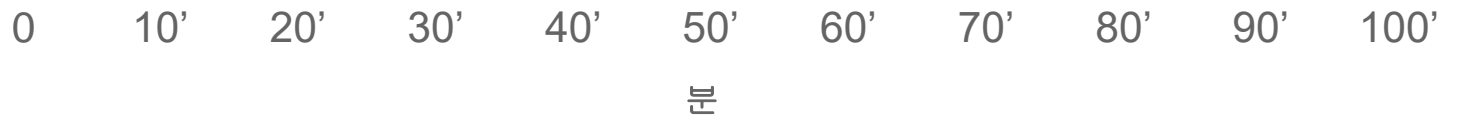
Original
Schmidt Live



기존방식



100분



특허 받은 디자인



직관적인 디지털 해머



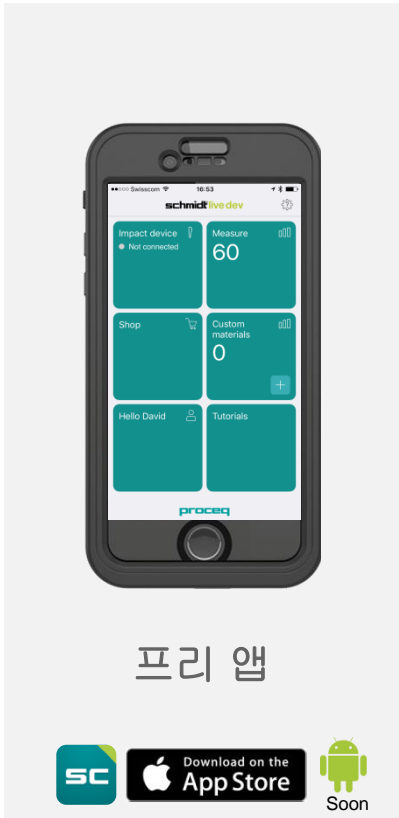
확장형 기능



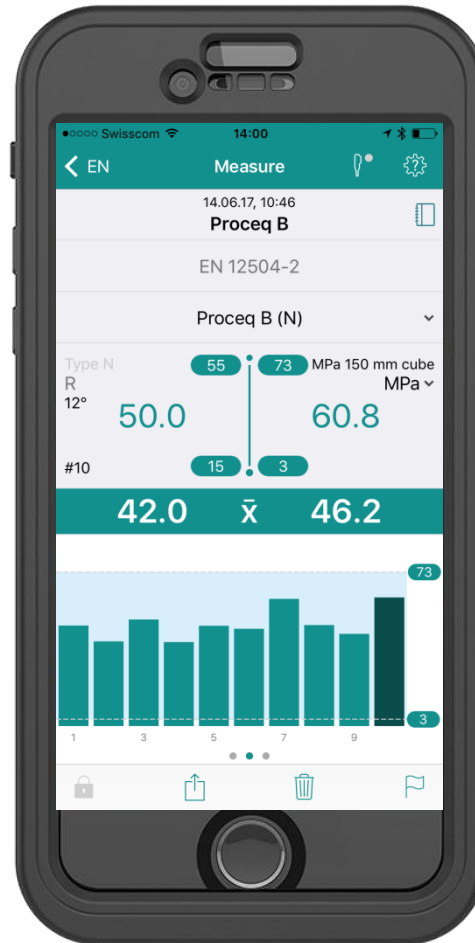
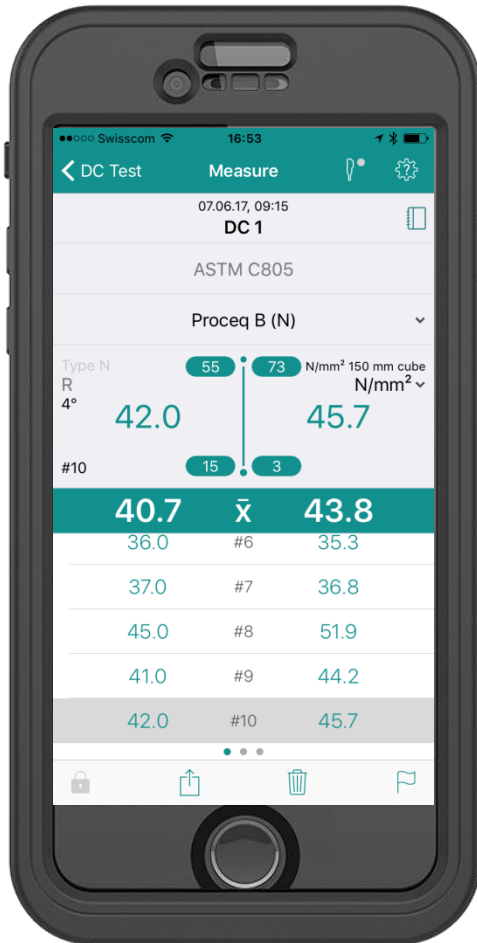
스탠드-단독사용



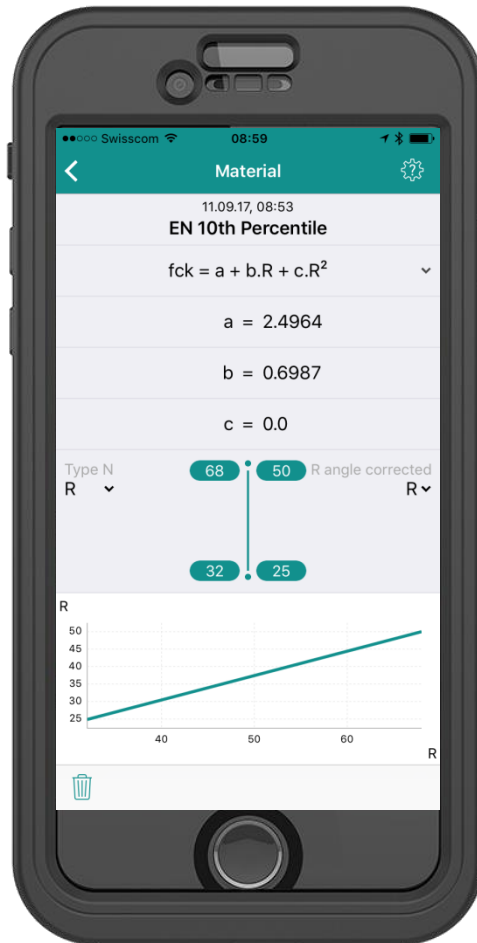
연결 가능



직관적인 앱

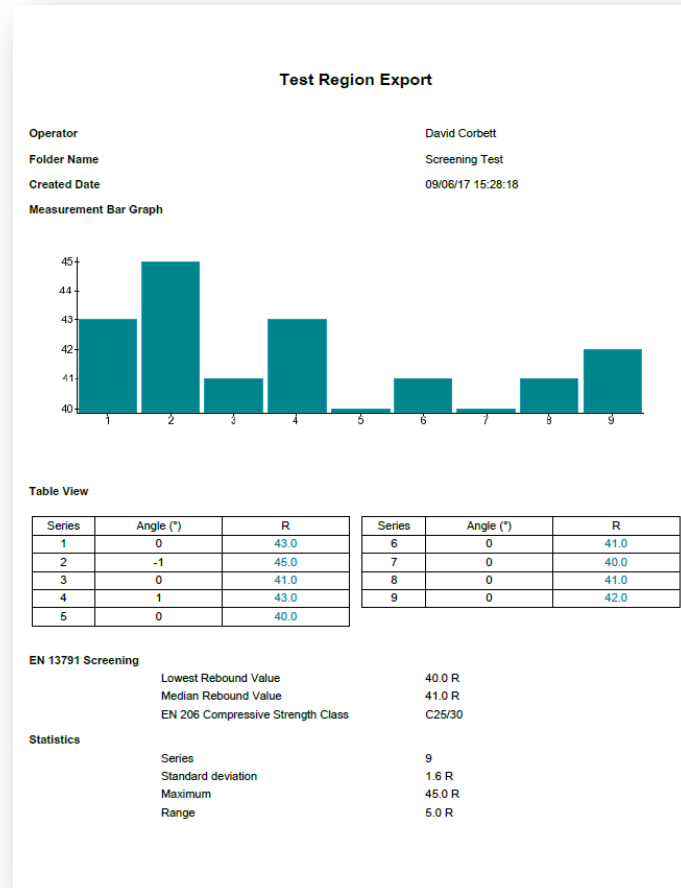
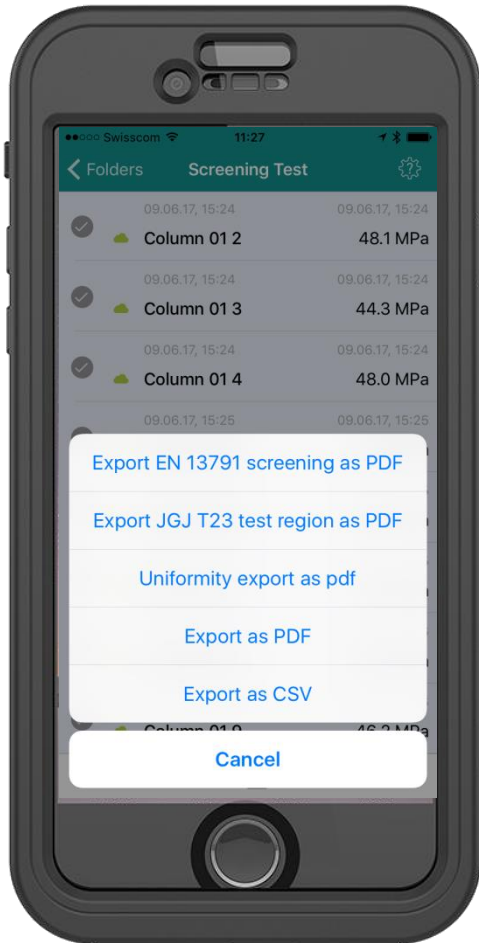


사용자 맞춤 강도 상관관계



*„ASTM/EN 기준 규격에 따른
사용자 커브로 정확도를 높일
수 있습니다.”*

David Corbett,
(PROCEQ 제품 매니저)

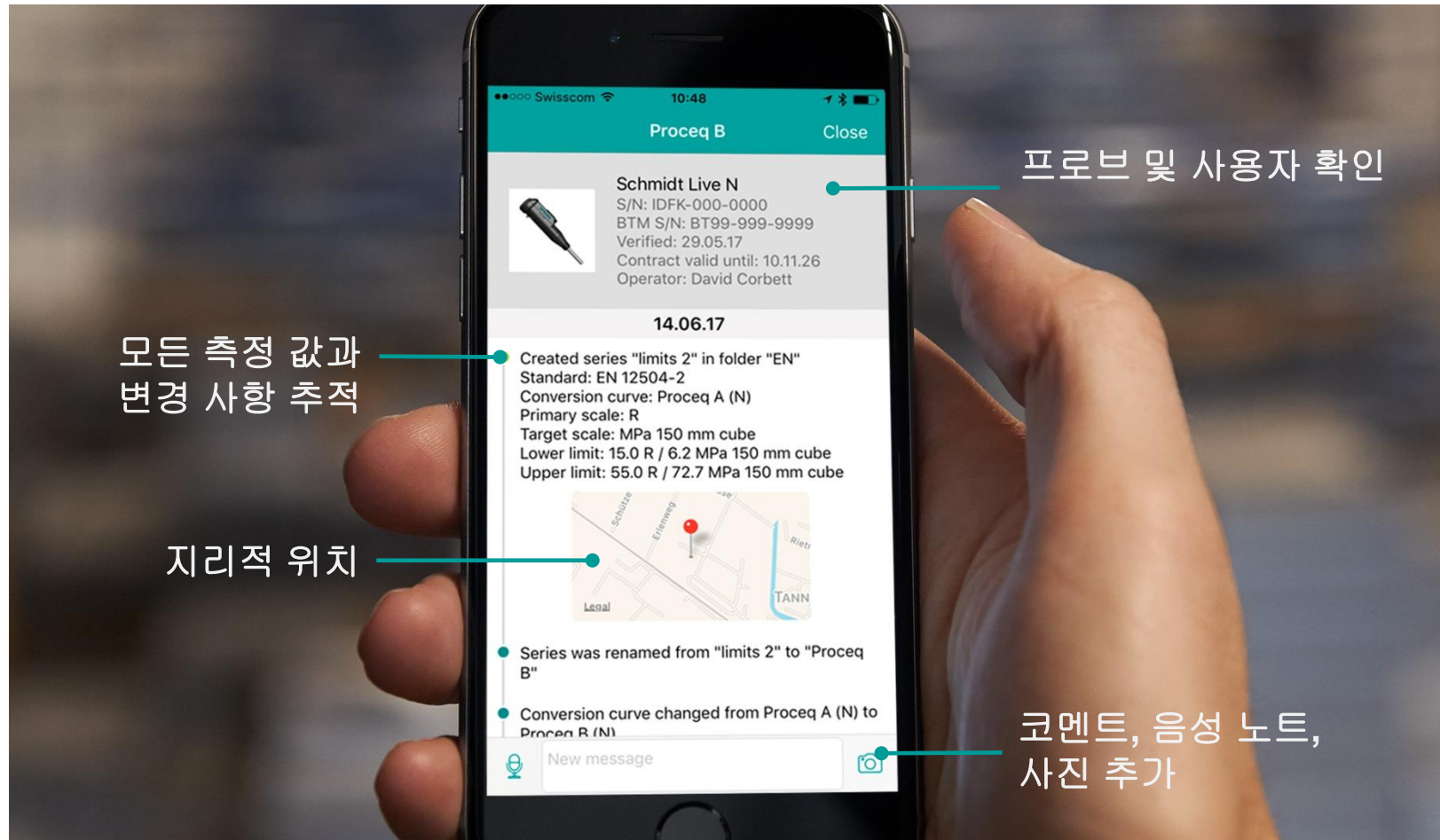


쉬운 확인

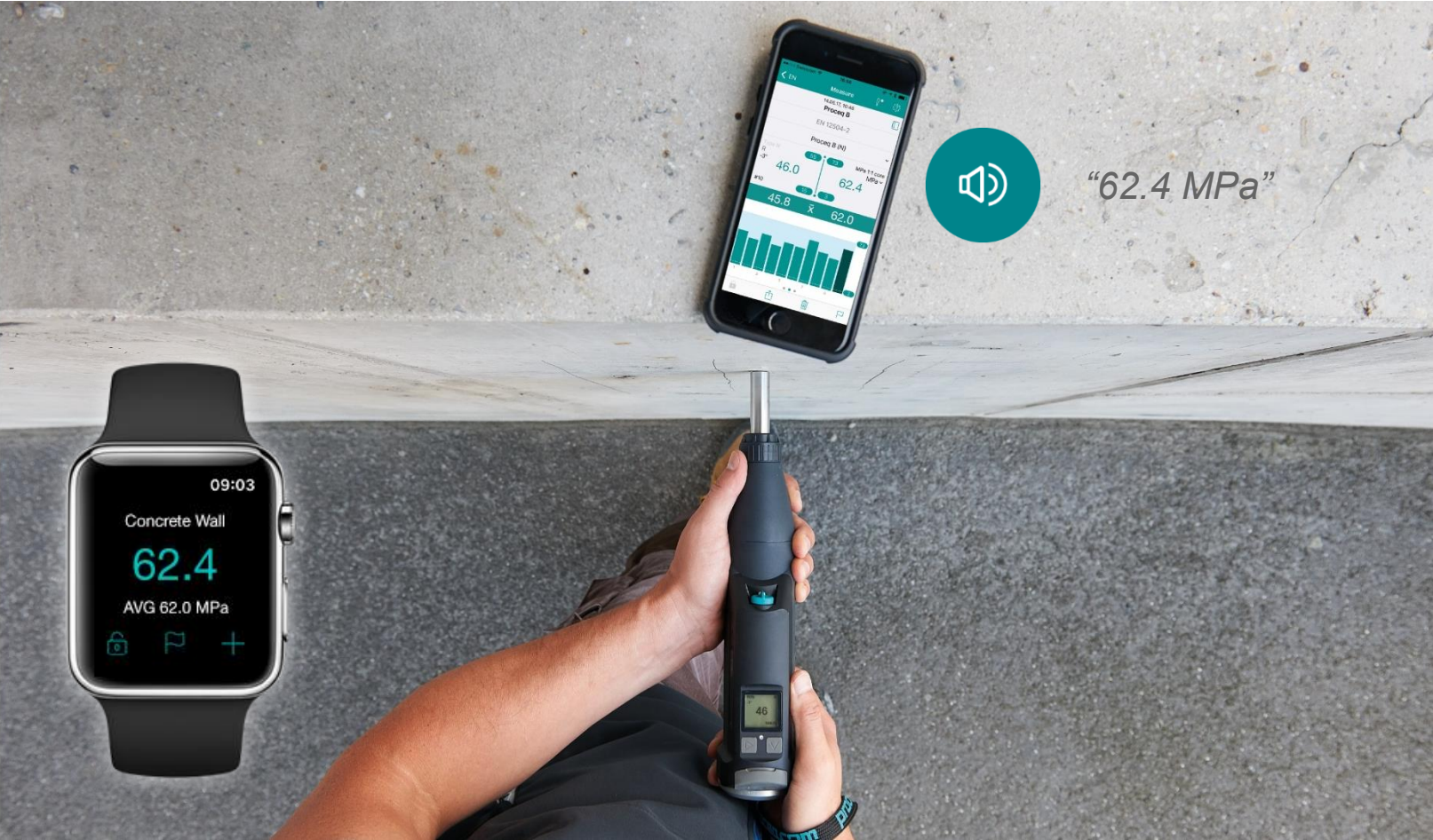


“... 기준 앤빌을 이용하여 값들이 제조사에서 권장한 범위 내에 있는지 확인할 수 있습니다...”

EN 12504 구조물 내에서 콘크리트 검사



최적의 휴대성



웹 기반의 보고서 툴



Browser: http://live.proceq.com

proceq live | Jorg Engesser | Equotip Live | Data Review

Data Review

- ASTM 3
- DC Test 13
- EN 3
- JGJ 23
- JSCE 3
- My Measurements 5
- Screening Test 10
- All Measurements 61
- Flagged 0
- Trash 1

Actions
Refresh

| Name | Created On | Standard | Scale Unit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------------------------|-----------|--------------------|---|------------------------|---|------------------------|---|------------------------|---|------------------------|---|------------------------|---|------------------------|---|------------------------|---|------------------------|---|------------------------|----|------------------------|----------------|------------------------|-----------------|---|----------------|------------------------|----------------|------------------------|--------------------|------------------------|--------------------|-------------------------|-----------------|-----------|-------------------------|-------------------|-------------|--------------------------------|-------------|--------------------|
| portland J | 06/14/2017 10:57 AM | ASTM C805 | kg/cm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <table border="1" style="font-size: small;"> <caption>Measurements</caption> <tr><td>1</td><td>139 kg/cm²</td></tr> <tr><td>2</td><td>350 kg/cm²</td></tr> <tr><td>3</td><td>178 kg/cm²</td></tr> <tr><td>4</td><td>328 kg/cm²</td></tr> <tr><td>5</td><td>258 kg/cm²</td></tr> <tr><td>6</td><td>129 kg/cm²</td></tr> <tr><td>7</td><td>191 kg/cm²</td></tr> <tr><td>8</td><td>315 kg/cm²</td></tr> <tr><td>9</td><td>124 kg/cm²</td></tr> <tr><td>10</td><td>363 kg/cm²</td></tr> </table> </div> <div style="width: 45%;"> <table border="1" style="font-size: small;"> <caption>Statistics</caption> <tr><td>Average</td><td>234 kg/cm²</td></tr> <tr><td>Readings</td><td>6</td></tr> <tr><td>Minimum</td><td>139 kg/cm²</td></tr> <tr><td>Maximum</td><td>328 kg/cm²</td></tr> </table> <table border="1" style="font-size: small;"> <caption>Settings</caption> <tr><td>Upper Limit</td><td>804 kg/cm²</td></tr> <tr><td>Lower Limit</td><td>42.2 kg/cm²</td></tr> <tr><td>Standard</td><td>ASTM C805</td></tr> <tr><td>Conversion curve</td><td>Portland Cement J</td></tr> <tr><td>Name</td><td>kg/cm² 150 mm cube</td></tr> <tr><td>Unit</td><td>kg/cm²</td></tr> </table> <div style="text-align: right; margin-top: 10px;"> Logbook </div> </div> </div> | | | | 1 | 139 kg/cm ² | 2 | 350 kg/cm ² | 3 | 178 kg/cm ² | 4 | 328 kg/cm ² | 5 | 258 kg/cm ² | 6 | 129 kg/cm ² | 7 | 191 kg/cm ² | 8 | 315 kg/cm ² | 9 | 124 kg/cm ² | 10 | 363 kg/cm ² | Average | 234 kg/cm ² | Readings | 6 | Minimum | 139 kg/cm ² | Maximum | 328 kg/cm ² | Upper Limit | 804 kg/cm ² | Lower Limit | 42.2 kg/cm ² | Standard | ASTM C805 | Conversion curve | Portland Cement J | Name | kg/cm ² 150 mm cube | Unit | kg/cm ² |
| 1 | 139 kg/cm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 350 kg/cm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 178 kg/cm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 328 kg/cm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 258 kg/cm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 129 kg/cm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 191 kg/cm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 315 kg/cm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 124 kg/cm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 363 kg/cm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Average | 234 kg/cm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Readings | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Minimum | 139 kg/cm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum | 328 kg/cm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Upper Limit | 804 kg/cm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lower Limit | 42.2 kg/cm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Standard | ASTM C805 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Conversion curve | Portland Cement J | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Name | kg/cm ² 150 mm cube | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unit | kg/cm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| early strength J | 06/14/2017 11:06 AM | ASTM C805 | kg/cm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| blast furnace I | 06/14/2017 11:11 AM | ASTM C805 | kg/cm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

다이렉트 프린팅



디폴트

| | |
|------------|---------------|
| ID: | 1234 |
| Serial No: | OS01-000-0000 |
| R | |
| #1: | 40 |
| #2: | 36 |
| #3: | 40 |
| #4: | 36 |
| #5: | 35 |
| #6: | 37 |
| #7: | 42 |
| #8: | 40 |
| #9: | 39 |
| #10: | 40 |
| Average: | 38.5 |

값
바(bar) 차트

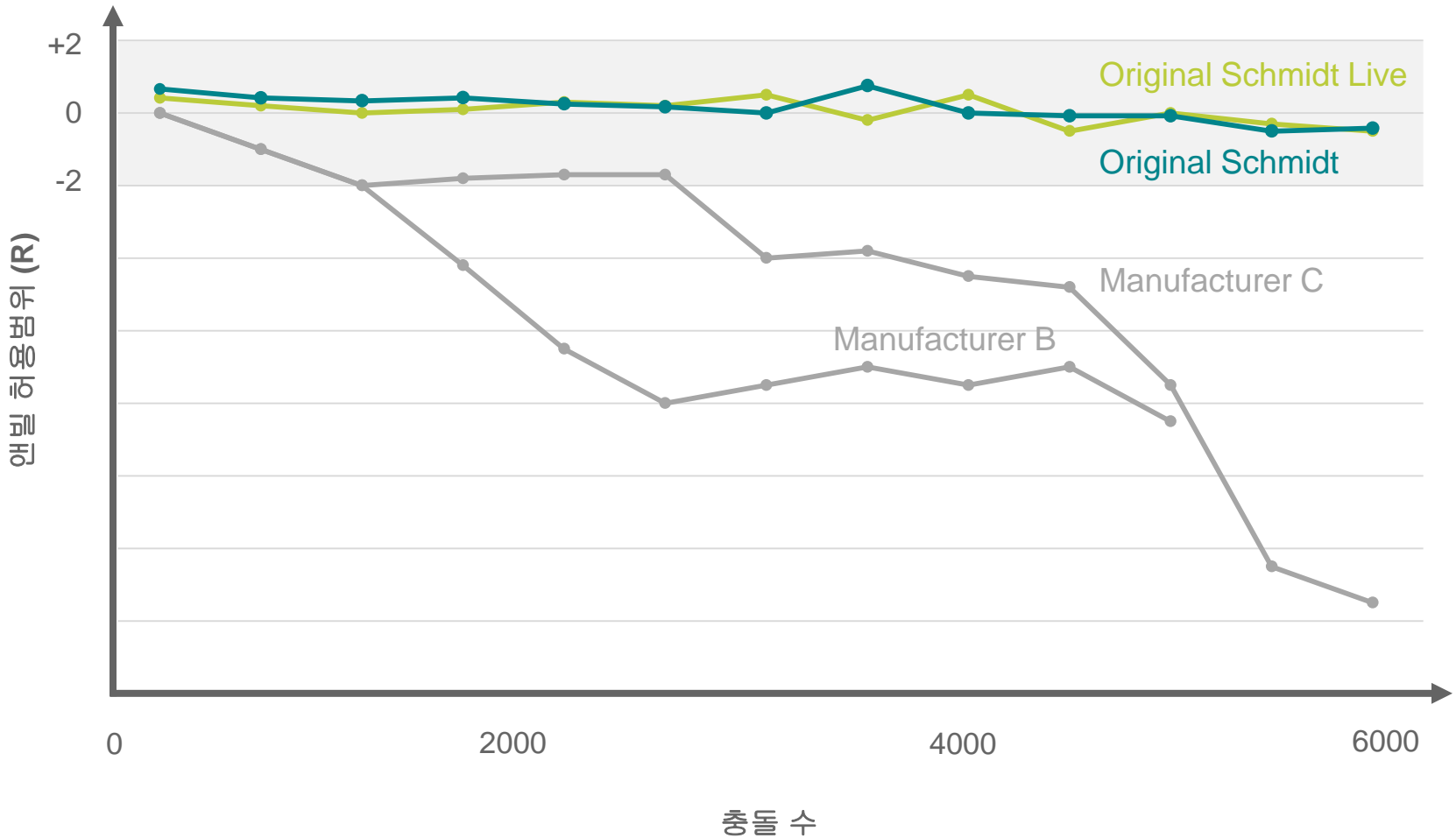
JSCE-G504

| | |
|------------------|---------------|
| ID: | 1234 |
| Serial No: | OS01-000-0000 |
| R | |
| #1: | 40 |
| #2: | 36 |
| #3: | 40 |
| #4: | 36 |
| #5: | 35 |
| #6: | 59 |
| #7: | 42 |
| #8: | 40 |
| #9: | 39 |
| #10: | 22 |
| #11: | 42 |
| #12: | 44 |
| #13: | 49 |
| #14: | 44 |
| #15: | 48 |
| #16: | 45 |
| #17: | 45 |
| #18: | 48 |
| #19: | 41 |
| #20: | 40 |
| Average: | 41.2 |
| Max: | 59 |
| Min: | 22 |
| Std. Dev: | 7.2 |
| JSCE-G504 | |
| Valid: | 18 |
| Invalid: | 2 |
| R0: | 41.9 |
| R1: | +3 |
| R2: | 0° |
| Age: | 28d |
| Compressive Str: | 39 Mpa |

아웃라이어

강도
상관관계

Schmidt® – 최상의 조건



국제 표준의 적합성



EN



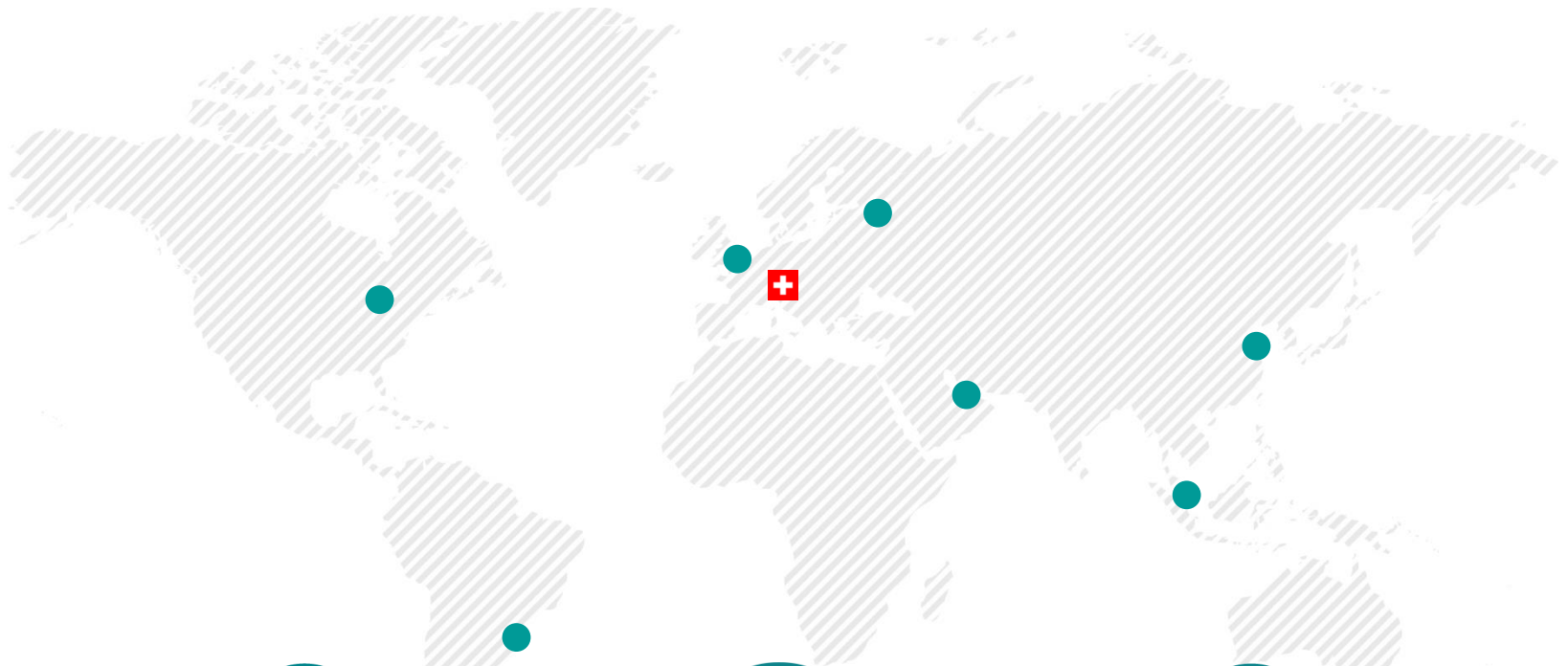
JGJ

JCSE



GOST

글로벌 Proceq 서비스 네트워크



빠르다



현지서비스



효율적이다

Original Schmidt Live



생산성 향상



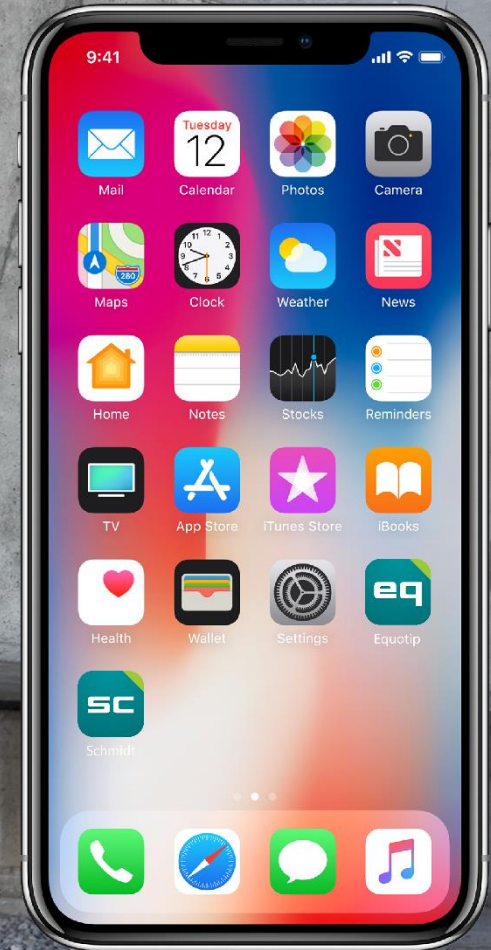
포괄적 이용



최초 개발 시점

proceq

Future-proof





Schmidt®

강도 및 균일성 검사

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